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U.S. Department of Agriculture.

Seed Annual for 1929

St. Louis Seed Co.
411-13 Washington Avenue
St. Louis, Mo.

Marglobe Tomato
Pkt., 10c; ½ oz., 25c; 1 oz., 45c; ¼ lb., $1.50; 1 lb., $5.50.

Wong Bok Chinese Cabbage.

Carrot, Early Half-Long Chantenay

This variety is of the finest quality of the medium sized sorts.

Beans, St. L. S. Co.'s White Wax

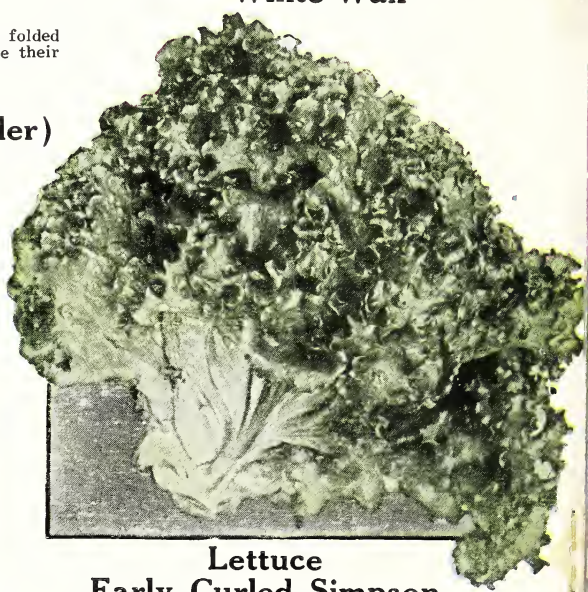
Wong Bok Chinese Cabbage

The rather short broad heads are composed of well-blanched, tightly folded leaves. The ribs are juicy and agreeably pungent. The plants make their best growth from late July or early August sowings.

Radish, Early Scarlet Turnip (Sparkler)

An excellent strain of the Scarlet Turnip White Tip. Small round roots with bright scarlet top, a clear white base, and small, slender taproot. The juicy flesh is pure white and of an agreeably snappy flavor.

Early Scarlet Turnip Radish (Sparkler).



Lettuce Early Curled Simpson

A fine loose heading variety with light green leaves which are well crumpled and fringed at the edges.

One packet each of the above five varieties for 35c, postpaid.

HOW ABOUT YOUR LAWN?

St. Louis Seed Co. Havalawn Grass Seed

Especially Adapted to This Locality and Will Insure a Fine, Velvety Lawn

Every Package Bears Our Green Label—No Other is Genuine.

To insure a perfect lawn, there are several requisites; a good depth of rich soil, properly drained, a liberal dressing of good fertilizer; a firm, smooth surface upon which to sow the seed and Havalawn Grass Seed. The latter item is of the greatest importance.

Havalawn is a mixture of the hardiest grasses that enter into any grass seed mixture. Havalawn insures a steady succession of growth—there will be no break in the richness of the verdure from Spring until Winter.

Year after year a steady demand for Havalawn has made it stand out as the one real mixture. Its component parts are such seeds as help build a deep-rooted soil; that come up quickly to start the lawn; that keep the smooth lawn fresh and bright all through the Summer. Only seeds that produce fine velvety lawns are used. Timothy and orchard grass are excluded on account of their coarseness.

Every package of HAVALAWN bears our green label. There is none genuine without it.
Price: Lb., 50c; 3 lbs., $1.45; 10 lbs., $4.50; 25 lbs., $10.50; 100 lbs., $38.00.
Complete List of Lawn Grasses on Page 42.

Delphinium.

Delphinium

English Wrexham Hollyhock Strain

This strain is a fine mixture of all light shades, pale, clear blue predominating. The flowers are large, truly double, well-placed on long, pyramidal spikes, their sturdy growth and general appearance reminding one of a Hollyhock, hence the name. **Pkt., 35c; 3 for $1.00.**

Petunias

Dwarf Large Flowering Mixed

Our new dwarf Petunia will doubtless be especially welcome to growers as a pot plant, but will also prove of immense value for the laying out of flower beds and borders. **Pkt., 35c; 3 for $1.00.**

Dwarf Large Flowering Petunias.

SUGGESTIONS FOR ORDERING

Phone CEntral 4100 **Phone CEntral 4100**

ORDER EARLY

WE WISH TO IMPRESS UPON YOU THE ADVANTAGE OF EARLY ORDERING. It is not only a convenience to us but it is also for your sake that we request this. Avoid the spring rush and have your seeds when you want them. They will not spoil, and the delay necessarily attendant during the spring will be eliminated. You will not be waiting for your seeds, when you should be planting. Our service will please you even during the busy season. Send your order now.

Unknown correspondents desiring to open an account will furnish three references from parties in the trade with whom they have had credit relations, otherwise cash must accompany order.

Remittances should be made by Post-Office Money Orders, Drafts on St. Louis Banks, or Express Money Orders. Where it is not possible to obtain these, the letter should be registered. We cannot guarantee receipt of money sent in any other way.

Goods desired C. O. D. must be accompanied by a partial remittance to guarantee acceptance.

In filling out your order always give Shipping Directions, and write Name and Address distinctly on each and every order.

PARCEL POST—Customers living on R. F. D. routes, and beyond express delivery will aid us by stating: "Goods reach us by Parcel Post only," to avoid mistakes in sending by express.

ALL PRICES on VEGETABLE SEEDS are net, but on PACKETS, OZS., and ¼ lbs. WE PREPAY POSTAGE.

PURCHASER PAYS TRANSPORTATION on Plants, Shrubs, Potatoes, Farm Seeds, Grass Seeds, Implements, Sundries and Poultry Supplies; also Seed by pound, gallon, peck and bushel.

EXPRESS AND FREIGHT CHARGES on large quantities, are cheaper than Parcel Post. We charge no cartage to depots or the Express Company offices, nor do we charge for boxes, packing or for small muslin bags.

When seamless cotton bags are required they must be remitted for; 35c each. Burlap, 10c each.

PARCEL POST RATES FROM ST. LOUIS

United States Parcel Post Rates (Seeds, plants and bulbs included)	First pound or fraction	Each additional pound or fraction	Packages must not exceed 84 inches (length and girth combined).
Local Rate	$0.07	$0.00½	Limit of weight this zone, 70 lbs.
1st Zone within 50 miles of St. Louis	.08	.01	Limit of weight this zone, 70 lbs.
2d Zone, over 50 and under 150 miles	.09	.01	Limit of weight this zone, 70 lbs.
3d Zone, over 150 and under 300 miles	.09	.02	Limit of weight this zone, 50 lbs.
4th Zone, over 300 and under 600 miles	.10	.04	Limit of weight this zone, 50 lbs.
5th Zone, over 600 and under 1000 miles	.11	.06	Limit of weight this zone, 50 lbs.
6th Zone, over 1000 and under 1400 miles	.12	.08	Limit of weight this zone, 50 lbs.
7th Zone, over 1400 and under 1800 miles	.13	.10	Limit of weight this zone, 50 lbs.

All small Parcel Post packages (seeds, plants and bulbs included), weighing 4 ounces or less, can be sent at the special rate of 1 cent for each 2 ounces or fraction to all parts of the United States. (Over 4 ounces must be sent at Parcel Post rates.)

Kindly Remit for Postage when it is necessary.

ABOUT WARRANTING SEEDS

Though the utmost care is used in grading and selection, we cannot be absolutely certain of the description or quality of seeds or plants, nor can we forecast the conditions under which they may be grown. Therefore, it is impossible to give any guarantee, and the contents of our packages are sold with that understanding. We shall gladly refund your money if you prefer not to accept the goods on those terms.

ST. LOUIS SEED COMPANY

FOR INDEX SEE PAGE 124

ST. LOUIS SEED COMPANY'S CALENDAR FOR SEED PLANTERS IN THE LATITUDE OF ST. LOUIS

JANUARY—Sow in Hotbed—Early Beet, Early Cabbage, Forcing Carrot, Cauliflower, Early Lettuce, Early Onions, Radish.

FEBRUARY—Sow in Hotbed—Early Beet, Brocoli, Early Cabbage, Forcing Carrot, Cauliflower, Celery, Cucumber, Egg Plant, Early Lettuce, Parsley, Pepper, Early Onions, Radish, Tomato.

MARCH—Sow in Hotbed—Early Beet, Early Cabbage, Forcing Carrot, Cauliflower, Celery, Cucumber, Egg Plant, Kohl Rabi, Melon, Parsley, Pepper, Onions, Radish, Tomato, Herbs. **Sow in Open Ground**—Beans, Beets, Cabbage, Cauliflower, Celery, Carrot, Cress, Leek, Lettuce, Onions, Parsnips, Peas, Potatoes, Radish, Spinach, Early Turnip, Onion Sets.

APRIL—Sow in Hotbed—Cucumber, Egg Plant, Melon, Pepper, Tomato. **Sow in Open Ground**—Asparagus, Beans, Beets, Cabbage, Carrots, Cauliflower, Celery, Sweet Corn, Cucumber, Cress, Endive, Kale, Kohl Rabi, Leek, Lettuce, Melons, Onions, Parsley, Parsnips, Peas, Pototaes, Radish, Rhubarb, Salsify Spinach, Tomato, Turnip, Sage, Herbs, Onion Sets.

MAY—Sow in Open Ground—English Beans, Pole Beans, Bush Beans, Beets, Brussels Sprouts, Cabbage, Carrot, Celery, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohl Rabi, Leek, Lettuce, Melon, Okra, Onion, Parsley, Parsnips, Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Tomato, Turnip, Herbs.

JUNE—Sow in Open Ground—Bush Beans, Lima Beans, Pole Beans, Beet, Carrot, Cabbage, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohl Rabi, Lettuce, Melon, Okra, Peas, Potatoes, Pumpkin, Radish, Spinach, Squash, Turnip, Rutabaga.

JULY—Sow in Open Ground—Bush Beans, Beet, Carrot, Sweet Corn, Corn Salad, Cress, Cucumber, Endive, Gherkin, Kale, Kohl Rabi, Lettuce, Okra, Pumpkin, Radish, Spinach, Squash, Turnip, Rutabaga.

AUGUST—Sow in Open Ground—Bush Beans, Corn Salad, Cucumber, Endive, Lettuce, Early Peas, Radish, Spinach, Squash, Turnip. **Plant**—Winter Onions.

SEPTEMBER—Sow in Open Ground—Corn Salad, Cress, Kale, Lettuce Mustard, Winter Radish, Spinach, Turnip, **Plant**—Winter Onions. **Write for St. L. S. Co.'s Bulb Catalogue.**

OCTOBER—Sow in Open Ground—Corn Salad, Cress, Kale, Lettuce, Mustard, Spinach, **Plant**—Hyacinth, Tulips, Narcissus and other Dutch Bulbs in open ground, pots or glasses.

NOVEMBER—Plant Hyacinth, Tulips, Narcissus and other Dutch Bulbs in open ground, pots or glasses.

SEED TABLES

	Weight Per Bus.	Quantity to Sow 1 Acre
Alfalfa, or Lucerne	60 lbs.	18 to 20 lbs.
Alsike, or Swedish	60	8 to 10
Crimson, or Scarlet	60	15 to 20
Mammoth or Sapling	60	8 to 10
Red	60	8 to 10
White	60	5 to 6
German or Golden Millett	50	40 to 50
Hungarian	48	40 to 50
Awnless Brome	14	28 to 42
Bermuda	40	30 to 40
Creeping Bent	14	50 to 60
English Perennial Rye	24	60 to 70
English Blue	14	40 to 50
Kentucky Blue for Pasture	22	50 to 60
Kentucky Blue for Lawns	24	50 to 60
Meadow Fescue	14	30 to 40
Orchard	14	20 to 25
Red Top—Solid Seed	40	30 to 40
Fescue	14	40 to 50
Timothy	45	15 to 17
Mixture for Pastures	25	30 to 40
St. L. S. Co.'s **"HAVALAWN"** Grass Seed	25	50 to 60

	Weight Per Bus.	Quantity to Sow 1 Acre
Barley	48 lbs.	1¼ to 1½ bus.
Beans—Navy	60	1½ to 2 bus.
Beans—Field	60	1½ to 2 bus.
Beans—Soja	60	20 to 30 lbs.
Broom Corn Seed	48	2 to 4 qts.
Buckwheat	52	1 to 1¼ bus.
Cane Seed—for Fodder	50	30 to 50 lbs.
Corn—Field	56	4 to 5 qts.
Corn Fodder, broadcast	56	2 bus.
Corn, Pop—shelled	60	2 to 4 qts.
Cow Peas	60	1½ to 2 bus.
Flax	56	1 to 1¼ bus.
Kaffir Corn—in drills	50	3 to 5 lbs.
Kaffir Corn—broadcast	50	½ to 1 bu.
Oats	32	1½ to 2 bus.
Peas—Field	60	1½ to 2 bus.
Pumpkin, Common Field	30	2 to 3 qts.
Rape, Dwarf Essex	50	5 to 8 lbs.
Rye	56	1 to 1½ bus.
Sunflower	22	15 to 20 lbs.
Wheat—Spring or Winter	60	1¼ to 1½ bus.
Vetches—Spring or Winter	50	1 to 1½ bus

HORTICULTURAL BOOKS

Agriculture, The Principles of—Prof. L. H. Bailey	$2.25
Asparagus Production—W. W. Robins	2.25
American Greenhouse Construction	1.75
Alfalfa—E. D. Coburn	.85
Apple Culture—Bailey	.85
Asparagus Culture—F. M. Hexamer	1.25
Broom Corn Culture—A. G. McCall	.85
Book of Shrubs—Prof. A. C. Hottes	3.00
Book of Annuals—Prof. A. C. Hottes	1.50
Book of Perennials—Prof. A. C. Hottes	1.50
Book on Bulbs—F. F. Rockwell	3.00
Birds of the Wild—Frank C. Pellitt	1.75
Bulbs and Tuberous Rooted Plants—Allen	2.50
Cabbage, Cauliflower—C. L. Allen	.85
Celery Culture—T. Greiner	.85
City and Suburban Garden—C. C. Sherloch	2.00
Floriculture, Commercial—Fritz Bahrs	5.50
Floriculture, Practical—Henderson	2.50
Foundation Planting—Prof. F. A. Waugh	3.50
Fruit Harvesting, Storing, Marketing	2.00
Fumigation Methods—W. J. Johnson	1.50
Gardening for Pleasure—Peter Henderson	2.00
Gardening for Profit—Peter Henderson	2.00
Garden Guide—The Amateur Gardener	1.00
Garden Book—Vernon H. Davis	1.00
Gardening Under Glass—F. E. Rockwell	2.50

Gardening with Peat Moss	$1.00
Hedges—Windbreaks, etc.—E. P Powell	1.00
1001 Garden Questions—Prof. A. C. Hottes	2.00
Home Landscape—Arthur J. Jennings	2.50
Irrigation Farming—Lute Wilcox	2.00
Landscape Gardening Practical—Robt. B. Cridland	2.50
Landscape Gardening—F. A. Waugh	2.50
Manual of Corn Judging—Archibald D. Shamel	1.00
Milady's House Plants—F. E. Palmer	1.25
Mushroom Culture—W. Robinson	1.00
Mushrooms, How to Grow Them—Wm. Falconer	1.50
Onion Culture, The New—Greiner	1.00
Orcharding-Productive—Sears	2.50
Peach Culture, Revised—Fulton	1.25
Peanut Plant—B. W. Jones	1.00
Plant Culture—Geo. W. Oliver	3.50
Principal of Flower Arrangement—Prof. E. A. White	3.00
Pomology, Systematic—F. A. Waugh	1.50
Rhubarb Culture, The New—J. E. Morse	1.00
Sweet Potato Culture—James Fitz	1.00
Soiling Crops and the Silo—Thomas Shaw	1.50
Strawberry Culturist—Fraser	1.25
Tobacco Culture	.75
Truck Farming in the South—Dr. A. Oemler	2.00
The Woman's Flower Garden—Jane L. Kift	1.00

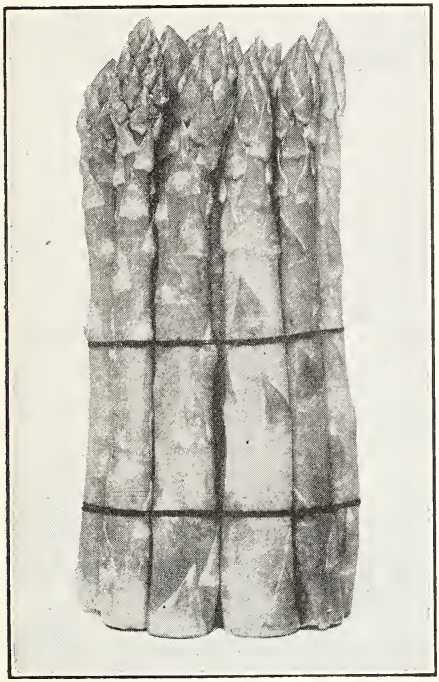
GENERAL LIST OF HIGHEST GRADE VEGETABLE SEEDS

IT HAS always been our endeavor to list only such sorts of vegetable seeds as, from our tests and experience, we have found to be of superior merit. In many instances, we have stricken out varieties that were out of date, but have always listed a superior sort that we could honestly recommend as better for the home garden as well as for the market gardener.

To the market gardener, we know that he is well acquainted with the varieties and the various vegetables that prove the most satisfactory and profitable for his neighborhood. To him we can only say that "Pure and Sure" Seeds of any variety he plants will be the best investment he can make.

Our sources of supply are the very best and our strict tests for germination and vitality assure all who plant "Pure and Sure" Seeds that as far as the seeds are concerned, all that human hands can do to make them the very best has been done.

With this in mind, we are sure you will not hesitate about sending us your order for seeds for the coming spring, and we have no doubt that you will never be disappointed with the results from "Pure and Sure" Seeds.



ASPARAGUS

One ounce will sow about 50 feet of drill.

The asparagus seed furnishes the first green delicacy for our table in the Spring, is universally popular, and requires but little care for its successful cultivation.

To secure the choice early stalks the land selected for an Asparagus bed should be a warm rich loam, preferably exposed to the south. Manures and fertilizers must be used lavishly to secure the best results. Plants can be easily raised from seed.

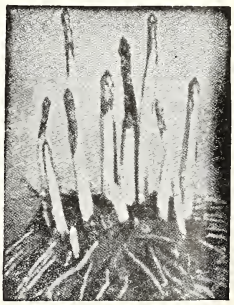
We also offer the roots two years old, which will become established in a single season. One ounce of seed will sow about 50 feet of drill. For the home garden, set the plants about 12 inches apart and about 3 feet between the rows.

When ordering ask for our free leaflet on Asparagus Culture.

Washington, The New Giant Rust-Proof Variety. This new sort is the result of many years' work in plant breeding by the U. S. Department of Agriculture. The Washington is a rust-resistant, vigorous, high yielding strain of Giant Asparagus. An asparagus bed is a permanent investment therefore plant the best obtainable, whether you figure on a small bed in your home garden or on a ten acre field for market.
Pkt. 10c; oz. 15c; ¼ lb. 40c; lb. $1.25.

Early Giant Argenteuil. This variety has thus far been free from rust. Very early, producing an even growth and a large yield. **Pkt. .05c; oz. 10c; ¼ lb. 30c 1 lb., 75c.**

Palmetto. Light green, heavy yielding early producing, large clear stalks of excellent quality. Very early.
Pkt. .05c; oz. 10c; ¼ lb. 30c; 1 lb. 75c.



ASPARAGUS ROOTS

(By Parcel Post 5c per dozen Extra)

CULTURE—The demand for Asparagus as an early spring vegetable is becoming quite popular. An Asparagus bed intended for family use can be quickly established by the planting of **roots** which should be set out in the spring in rich soil. Dig a trench about 2 feet deep and 1½ feet wide, and fill to about one foot from the surface with soil and well rotted manure. On this put about six inches of good garden soil and lay the roots 12 inches apart, then fill up, leaving the crown about 4 inches below the surface. Asparagus should not be cut until the second year.

Extra Choice Two-Year Roots

	Doz.	4 Doz.	8 Doz.	1000
Palmetto	**$0.25**	**$0.90**	**$1.75**	**$14.00**
Washington (rust proof)	**$0.25**	**$0.90**	**$1.75**	**$15.00**

ARTICHOKE

CULTURE—In February or March sow in hotbed, transplant to the open in May in rows three or four feet apart and two feet apart in the rows. Should give globes the same year. Seed sown in May and transplanted in June has to be Wintered. Tie up leaves, then bank with dirt, will mature the second year.

Giant Green Globe. Produces large globular heads, thick, succulent scales, the bottom of which is the edible part. Boiled till tender, it makes a delicious dish. **Pkt. 10c; ½ oz. 25; oz. 45c; ¼ lb. $1.50.**

ASPARAGUS PRODUCTION

A reliable Book on Planting, Cultivating, Cutting and Use of Asparagus.

Price, $2.25 Postpaid

INOCULATE THIS SEED WITH Mr. Burpee's Inoculator

DWARF BEANS

One pound will plant 100 feet of row; Sixty pounds will plant an acre.

INOCULATE THIS SEED WITH Mr. Burpee's Inoculator

At the following prices on Beans, packets and quarter pounds are sent prepaid, all larger quantities are shipped at purchaser's expense; by parcel post, in 1 lb. or over add postage at lb rate.

NOTE: If in the market for 100 lbs., or over, write for price.

CULTURE—Plant about the first of May in rows, placing the seeds 2 to 3 inches apart in drills about 2½ inches deep. The rows should be about 2½ feet apart, and the soil slightly hilled, to insure good drainage and keep the Beans from touching the ground. Most Beans should be picked when about 4 inches long. Frequent pickings insure a more prolonged bearing season. Avoid jerking the plant, as this frequently disturbs young feeding roots. Use the finger nails to sever the stems. Do not pick when bushes are wet, as this may cause blight and rust. For succession plant every two weeks up to August 1.

GREEN PODDED VARIETIES

Black Valentine. A popular variety for the gardener, being ready to pick in 45 days. It produces large pods, about 6 inches long, slender round and nearly straight, quite stringy and fiberous, though fine grained and medium green in color. It is early productive, vigorous and hardy. **Pkt. 10c; ½ lb., 30c; 1 lb., 50c; 5 lbs., $2.25; 10 lbs., $4.00.**

Bountiful Stringless. This is the best flat-podded stringless variety. The light green pods are 6½ to 7 inches long, stout, flat, somewhat curved, absolutely stringless, very slightly fibrous, attractive and of very fine quality. It is very early vigorous and a heavy yielder. **Pkt., 10c; ½ lb., 30c; 1 lb. 50c; 5 lbs., $2.25; 10 lbs., $4.25,**

Full Measure. Fine stringless medium green pod of high quality. The pods are straight, 6 inches long, very fleshy, almost round, crease-backed, have no neck, showing depressions around the Bean, and are tender. It is a prolific sort, the heavy pods producing throughout a long season. The season is about the same as Burpee's Stringless, although this variety is more productive. **Pkt 15c; ½ lb., 30c; 1 lb., 55c; 5 lbs., $2.50.**

Giant Stringless Green Pod. An exceedingly productive and very handsome sort. The plants are large, vigorous and spreading. The pods are large and nearly round, and of medium green color. They mature a few days later than those of Stringless Green Pod, average about one-fourth inch longer and more nearly straight. The variety is suitable for the market. The quality is very good for snaps for home use. **Pkt., 10c; ½ lb., 30c; 1 lb., 50c; 5 lbs., $2.25.**

Longfellow. Remrakably early and has excellent flavor; its delicacy remains almost intact when prepared for the table. The pods are about six and one-half inches long. Pale green in color, straight and round; very productive and crop matures very regularly. Beans are small, mottled dark red. **Pkt., 10c; ½ lb., 30c; 1 lb., 45c; 5 lbs., $2.00.**

Stringless Green Pod. A very desirable dwarf green podded snap sort for the home garden and largely grown for the market. The plants are large, spreading and productive. The pods are medium green, five to six inches long, cylindrical, larger than those of Red Valentine, but are quite as fleshy, of equally high quality and remain crisp and tender longer. They mature a little later. Seed of medium size and length, yellowish brown. **Pkt., 10c; ½ lb., 30c; 1 lb., 50c; 5 lbs., $2.25; 10 lbs., $4.25.**

Valentine, Improved Early Round Pod. One of the best extra early for home use or market. Extra early and is usually ready for harvesting from 35 to 40 days after planting. Vines strong and vigorous; pods green, medium length, curved, with creases in the back, very fleshy, crisp and tender. **Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., $2.00.**

White Navy. The Famous little white soup bean that needs no further introduction. Very prolific and a sure cropper. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., $1.40; 10 lbs., $2.25.**

MAKING GARDENING A REAL PLEASURE

BY MAKING up your order from this catalog, for your spring garden, we are sure you will have satisfaction, as we list only standard varieties of seeds which are used by the leading market-gardeners.

Plant our "Pure and Sure" Seeds for best results.

Full Measure

WAX-PODDED BUSH BEANS

At the following prices on Beans, packets and quarter pounds are sent prepaid, all larger quantities are shipped at purchaser's expense; by parcel post in one lb. or over, add postage at lb. rate.

St. L. S. Co.'s White Wax. This round-podded Dwarf Wax Bean has attained the top notch among Beans of this class. It produces no culls, the pods average five to six inches in length, a round-podded, wax variety; they are very solid, meaty and tender, free from string. **Pkt., 10c; ½ lb., 30c; 1 lb., 50c; 5 lbs., $2.25.**

Davis Wax. A very hardy and productive variety. Pods invariably long, 6½ or 7 inches, light yellow, straight and handsome and when young are crisp and tender.
Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., $2.00.

Golden Wax. One of the best for home garden. Pods long, nearly straight, broad, flat, golden, yellow and very fleshy.
Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., $2.00.

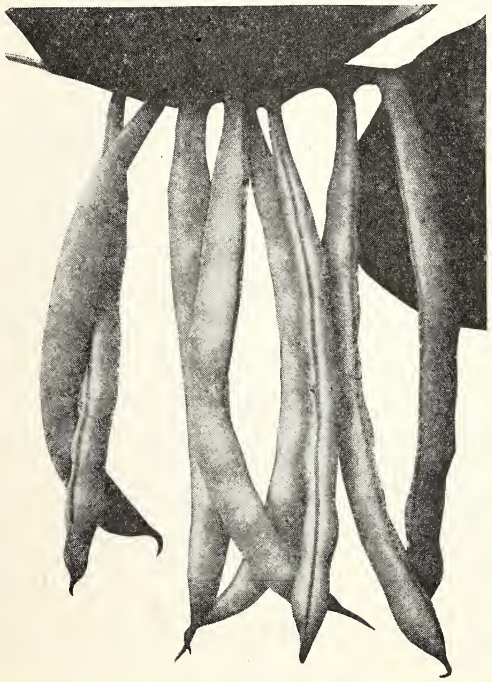
Pencil Pod Wax. This very handsome black wax sort is medium early, fairly hardy and productive. It is one of the very best sorts for home use and for near markets where highest quality is desired. The pods are long, five to six inches, straight, round, fleshy and of a bright yellow color. They are tender, absolutely stringless, solid black.
Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., $2.00.

Wardwell's Kidney Wax. This standard variety maturing a little later than Golden Wax, yields a large crop of long, nearly straight, broad, light golden yellow, handsome pods.
Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., $2.00.

POLE BEANS GREEN PODDED SORTS

Use one pound of seed for 100 hills; 30 pounds will plant an acre.

CULTURE—Pole beans are more sensitive to cold than the bush kinds, and should not be planted before the ground is warm—in this latitude, after May 1st. Set poles 6 to 8 feet long, 3 to 4 feet apart, in 4-foot rows and plant five or six beans 2 inches deep around each pole.



St. L. S. Co's White Cornfield

St. L. S. Co's White Cornfield. An early maturing, green podded, white seeded pole sort, desirable for snaps and unsurpassed in its class as green shell beans The vines are vigorous and very productive. The pods are round, very long, often eight to nine inches, irregular in shape and quite stringless. The beans when shelled green are large, very tender and white, a very desirable feature when comparison is made with the colored beans of other varieties of this class. Seed medium long, oval or well rounded, solid white.
Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., $1.75; 10 lbs., $3.00.

Kentucky Wonder. Also known as Old Homestead. We believe this variety is the most practically useful of the green podded pole beans suitable for use as snaps. It is an early, very prolific sort, with showy pods which are of most excellent quality. The vines are vigorous, climbing well and very productive, bearing pods in large clusters. The pods are medium light green, very long, often reaching nine or ten inches curved and twisted, nearly round and very crisp when young, becoming very irregular and spongy as the beans ripen. Seed long, oval, slightly flattened, dun colored. One of the very best early pole snap beans for the home garden or market. The quality of our stock is unsurpassed. **Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., $1.75; 10 lbs., $3.00.**

Lazy Wife. The pods are of a medium dark green color and grow from 5 to 7 inches in length. They are broad, thick and very fleshy.
Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., $2.00.

New Improved Bush Lima

POLE LIMA BEANS

One pound will plant 100 hills; 30 pounds will plant an acre.

By Parcel Post add Postage

CULTURE—A warm, sandy loam, enriched with well-rotted stable or sheep manure is best. It must not be sown until the ground is warm and dry. When poles are used for support they should be set not less than 4 feet apart each way. Plant 4 to 6 beans to a pole, 2 inches deep.

St. L. S. Co.'s Genuine Butter. These beans have a creamy-white color, in large pods and are far more delicious than the ordinary Lima Bean. The vigorous vines with plenty of pods, will supply you with the most delicious Butter Beans.
Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., $2.00.

King of the Garden. The true "King" of the Limas. Stronger and more productive than any of the large White Limas and is the favorite of the market gardeners on account of its long, well-filled pods.
Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 5 lbs., $2.00.

Extra Early Jersey. Very productive and of fine quality. It is especially valuable to those residing in districts where the season is too short to produce later ones as it is from 10 to 15 days earlier.
Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., $2.00.

BUSH LIMA BEANS

One pound will plant about 100 hills, or 100 feet of row; 60 pounds will plant an acre.

By Prcl. Post, in 1 lb. or over, add Postg. at lb. rate.

A rich, light soil is best. Sow the seed after the ground is dry, danger of frost is over, and the nights are warm (about May 1 in the latitude of Mo.). Make the rows 3 feet apart, dropping the Beans so the plants will stand 4 to 6 inches apart in the row, and cover with less than one inch of soil. Bush Limas may also be planted in hills 3 feet apart one way and 2 feet the other, using 4 to 6 Beans to the hill. The plants should be cultivated often.

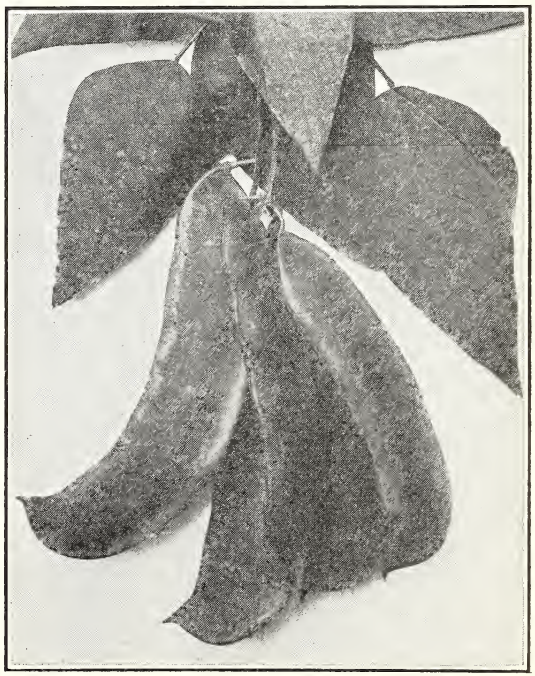
Burpee's Bush Lima. A true bush form, growing 18 to 20 inches high. An immense yielding variety, each bush being laden down with Large Limas of the most luscious flavor.
Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., $2.00; 10 lbs., $3.50.

Fordhook Bush Lima. The bushes are erect, and branching freely. The green Beans are thick and meaty four to the pod. Very tender, juicy and of fine flavor.
Pkt., 15c; ½ lb., 30c; 1 lb., 55c; 5 lbs., $2.50.

Henderson's Bush Lima. A famous variety, grows in compact bush form and produces enormous yields of delicious Lima Beans.
Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., $2.00; 10 lbs., $3.50.

New Improved Bush Lima. Similar to the Burpee's Bush Lima, except in size it is smaller. The sturdy bushes are loaded with large, well-filled pods.
Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 5 lbs., $2.00; 10 lbs., $3.50.

Broad Windsor. An old-fashioned English shell Bean. Dry beans very large and yellowish green.
Pkt., 10c; ½ lb., 30c; 1 lb., 50c.



King of the Garden

BEETS

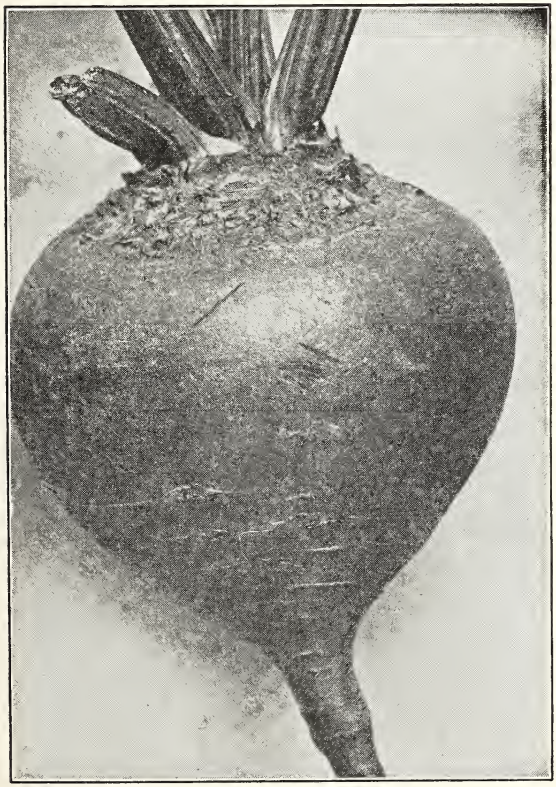
One ounce will sow 100 feet of drill; 5 to 6 lbs. to the acre.

Price Postpaid

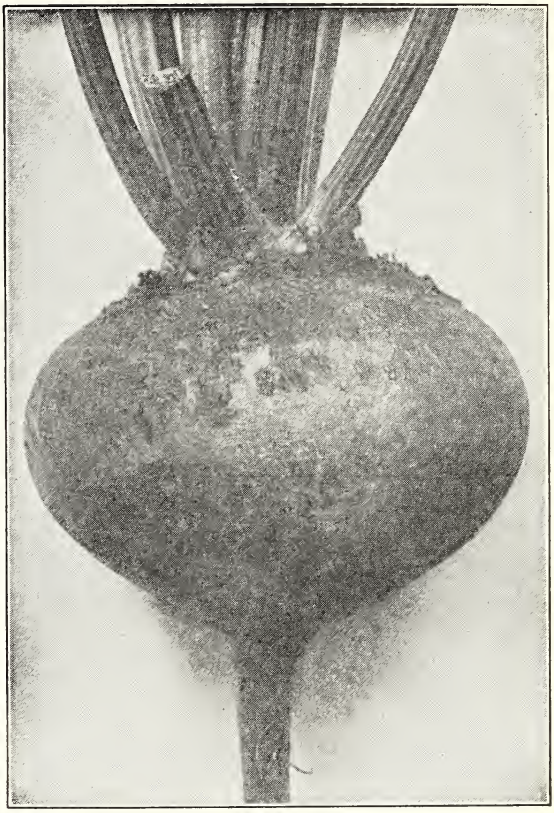
CULTURE—Seed should be sown the first part of April. The ground should be spaded well and deep, placing rows about 18 inches apart, and the drills 1 inch deep. When seedings appear about 3 inches above ground, thin out to about 4 inches between the plants so as to give ample room for the proper development of the bulbs.

Extra Early Egyptian Blood Turnip. This is the best variety for forcing. It is also excellent for first early crop outdoors, being very early, with small tops. The leaves are dark green, shaded and veined with dark red. The roots are very dark red, moderately thick, a little rounded on top, distinctly flat on the bottom. A popular market garden sort.
Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.

Early Wonder. (Selected). This is the earliest and most perfectly shaped Beet for bunching purposes. Its beautiful deep blood-red, nearly globular shaped root, small-sized top and small clean tap-root. The attractive appearance, uniformity of size, shape and color, and excellent keeping qualities have created a very heavy demand for this variety; valuable for market garden.
Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25; 5 lbs., $5.50.



Detroit Dark Red



Early Wonder

Crosby's Egyptian (Selected). The roots are flattened globe shaped and very smooth. The exterior color of the root is bright red. The flesh of our strain is bright vermillion-red, zoned with a lighter shade, very sweet, tender and of excellent quality. This is one of the best for early planting outdoors and is much used for bunching. It is the favorite of the market gardeners. **Pkt., 5c; oz., 15c; ¼lb., 40c; 1 lb., $1.25; 5 lbs., $5.50.**

Detroit Dark Red (Selected). We believe this is the best beet for the market and home garden, and on account of its uniformly deep rich color the most desirable for canning. The tops are small and upright in growth. The leaves are dark green, shaded with red. The roots are medium sized, globular or nearly round, very smooth and of dark blood-red color. The flesh is deep vermilion-red. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25; 5 lbs., $5.50.**

Improved Crimson Globe. A handsome variety of medium size and entirely free from rootlets, as its name implies, it is a perfect globe-shaped Beet.
Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.

Edmand's Blood Turnip. A desirable second early market beet, suitable also for the home garden. Roots nearly round; color dark red; crisp, tender, sweet and an excellent keeper.
Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.

Half Long Dark Blood. A standard late variety of very good quality which keeps well through the winter. The roots are smooth, rather slender.
Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.

BROCCOLI

Closely allied to the Cauliflower. It is generally considered rather more hardy. In growing Broccoli, a seed-bed should be prepared and the seed sown in May. The plants will be ready to transplant late in June or early in July, and should be set in very rich mellow ground, in rows about 2½ feet apart, leaving 18 inches between the plants.

Italian Green Sprouting. This is a distinct variety grown by Italian market-gardeners for Italian trade only. The plant forms a large solid head which remains green. After this head is cut out, a number of sprouts develop from the leaf-axes, each sprout terminating in a small head about one inch in diameter. Bunched and sold as a second crop. Sow seed in frames early in spring and market in June and July. **Pkt., 15c; ½ oz., 40c; 1 oz., 75c.**

BRUSSELS SPROUTS

BRUSSELS Sprouts are highly esteemed for boiling during the late fall and winter months. The sprouts resemble miniature cabbages, growing closely on the stalk of the plant, and are produced in abundance from tip to ground level. The plants are hardy, and in our section will live throughout the winter without protection. The quality and flavor of the sprouts are much improved by frost.

Seeds should be sown thinly in drills early in June. When the young plants are 6 inches tall, they should be transplanted to rich soil, setting them in rows 3 feet apart.

Roseberry. The choicest variety obtainable and highly valued on account of its strong, robust growth and remarkable juicy, tender heads.
Pkt., 10c; oz., 25c; ¼ lb., 75c.

Borage. See Herbs, Page 21.

SWISS CHARD OR SPINICH BEET

CULTURE—Same as for beets; transplant 12 inches apart in rows 18 inches apart. Sow seeds in the Spring, as for common beets. Grown for its leaves only; one of the best early green. Cook the leaves as you do spinach and the stems in cream as asparagus. Leaves grow to enormous size, 20 inches to 2 feet in length.

Swiss Chard. (Sea Kale Beet). This kind of beet is grown exclusively for the numerous, fleshy, tender leaves and leaf stalks, which are superior to those of other beets for use as greens. Later in the season the wax-like leaf stems are cooked like asparagus or are pickled. This variety we offer has large, broad, undulated leaves of attractive yellowish green color, and very large broad white stalks and midribs or chards. It is well worthy of a place in the home garden as well as for the market use. Swiss Chard is sometimes called Leaf Beet, Spinach Beet and Silver Beet. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 75c.**

Lucullus. A delicious variety having pale green leaves which are remarkably crimped and curled, like savoy cabbage. The stiff ribbed chards are white and broad, but not so broad as the common variety, although equally fine in flavor.
Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 75c.

MANGEL WURZEL

By Parcel post; add postage, the lb. rate.
For stock feeding

THE MANGEL WURZEL, also called Mangel. Cattle Beet and Field Beet, may be grown in almost any soil, but deep loams are necessary for heavy yields of the long varieties. When well grown the roots give an immense yield of very valuable food for stock. Plant early in spring in drills two to two and one-half feet apart, and about one inch apart in the row. When about three inches high begin thinning and continue at intervals until the roots stand about ten inches apart.

Golden Tankard. The tops are comparatively small, with the leaf stalks and veins distinctly tinged with yellow. The neck is small. The roots are large, ovoid, but with bottom usually of larger diameter than top, light gray above ground, deep orange below. **Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.**

Klein Wanzleben. (Sugar Beet). This variety is without question the best in cultivation. Not the largest in size, but the richest in saccharine.
Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.

Giant Half Sugar Mangel. Desirable for stock feeding, affording not only a very large crop much easier to harvest than other sorts but also having higher nutritive value, being especially rich in sugar.
Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.

Improved Mammoth Long Red. The roots are very large, uniformly straight and well formed and comparatively thicker than the common sort. The flesh is white tinged with rose. This strain under careful culture is enormously productive.
Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.

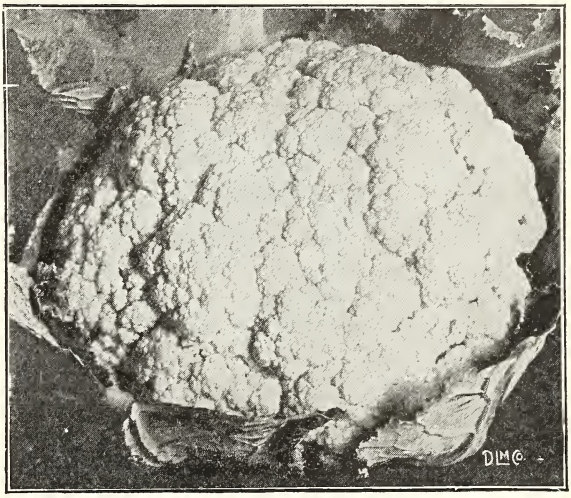
Swiss Chard

CAULIFLOWER

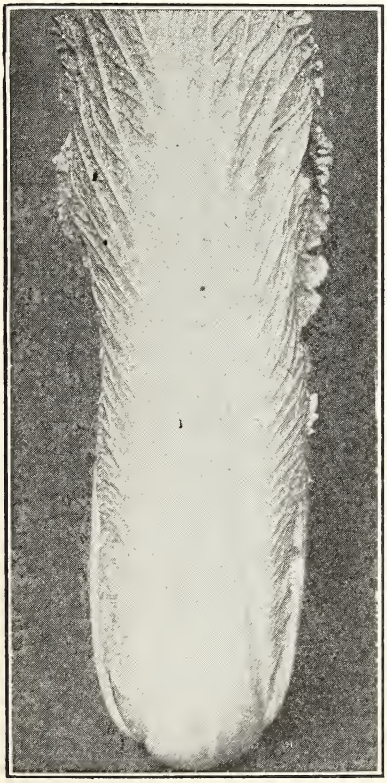
One ounce of seed will produce from 3,000 to 4,000 plants.

CAULIFLOWER, although one of the most delicious vegetables, is but little grown except by professional gardeners because of the erroneous notion that it is so difficult to grow that only skilled gardeners can produce it. Any one will be reasonably sure of success with this most desirable vegetable if the cultural directions given below are carefully followed.

For spring and early summer crop, sow in February or early in March in hotbed. If soil is not too wet, seed should be thoroughly pressed into the ground after sowing. This insures quick germination. Cover seed with one-half inch of fine soil firmly pressed down. Transplant to cold-frame when sufficiently large to handle. As soon as danger of hard freezing is over set in the open ground in rows two and one-half to three feet apart and eighteen inches apart in the row. The plants will endure a slight frost. The soil for cauliflower should be like that for cabbage, but it is better if made richer than is ordinarily used for that crop. Plenty of good manure must be well incorporated with the soil and the latter be brought into the highest state of tilth. No application, however, can be more necessary or more useful than that of cultivator and hoe.



St. L. S. Co.'s Earliest Dwarf, Erfurt, Extra Select



Wong Bok

St. Louis Seed Co.'s Early Perfection Erfurt Forcing. In this we have a strain that comprises all the fine points in Cauliflower. It is gorgeous beyond description, snowlike in color and its growth of the compact form that will delight the grower. For an early forcing variety it cannot be equalled and is worthy of a trial.

Pkt., 15c; ¼ oz., 75c; ½ oz., $1.50; 1 oz., $2.50

Early Snowball. Unquestionably the earliest maturing strain of the true short leaved Snowball type of cauliflower. It is admirably adapted for forcing or wintering over for early crop and is the most popular sort for these purposes, also one of the best sorts for late summer and fall crop. Early Snowball is, moreover, a most desirable sort for the home garden. The plants are compact, with few short, outside leaves and are well suited for close planting. The heads are of medium to large size, solid, compact, round, very white.

Pkt., 15c; ¼ oz., 65c; 1 oz., $2.00; ¼ lb., $7.00.

Extra Early Dwarf Erfurt. A remarkably sure heading early cauliflower. It is of dwarf habit with short outside leaves and is similar in most respects to Early Snowball and nearly as early. The heads when ready for market are of medium to large size. The curd is white, exceptionally deep and of finest quality. It will give excellent results either in the home garden or for market use and is superior to most seed sold at higher prices. Where extreme earliness is not the greatest consideration we recommend this strain after having proven it superior to many stocks offered as Snowball.

Pkt., 15c; ¼ oz., 65c; 1 oz., $2.00; ¼ lb., $7.00.

CELERY OR CHINESE CABBAGE

Wong Bok. The strain we offer resembles when well grown Cos Lettuce rather than Cabbage. It is often called Celery Cabbage on the market. The leaves when young are crimped, of light green color and appear like smooth leaved mustard but with much broader and heavier midribs. The plant as it matures becomes more upright and forms heads much like Cos Lettuce. The inner leaves blanch an attractive light yellow or creamy white with very white midribs. It is of distinctive flavor, very mild and pleasant. It is served as a salad like lettuce or cooked like asparagus.

Pkt., 10c; 1 oz., 25c; ¼ lb., 75c; 1 lb., $2.50.

CABBAGE (Price Postpaid)

One ounce will produce about 2,000 plants; ¼ pound seed in beds will produce plants for 1 acre.

CULTURE—Sow the early kinds in hotbeds in February and March, and in the open ground in April and May. The late varieties for fall and winter use sow in May, and transplant from the 8th to the 25th of July. Plant the early sorts 20 inches distant in a row and 2 feet between the rows; The later sorts 2½ feet each way. To be well-grown, Cabbages require a deep, rich loamy soil. Our Cabbage seed is especially grown for us, and we offer it as being of superior quality.

New Golden Acre

Copenhagen Market. This is without doubt the best early round-headed cabbage and that its wonderful merits are appreciated is demonstrated by the large plantings made of this variety. The type is thoroughly fixed and the heads maturing at the same time, which makes it so popular and the great favorite of the market gardener. It is a vigorous grower and yielder and an excellent keeper. The leaves are of a light green color and tightly folded together in a remarkably solid and compact form. The heads average 5 pounds in weight. are solid and firm. Don't experiment with a cheap strain of this famous variety. **Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; 1 lb., $3.50.**

Copenhagen Market

Golden Acre. A very fine new sort from Denmark. It is very uniform, almost every head could be cut at the same time. Golden Acre matures quicker than any variety known. The head is of medium size, quite round, and is surrounded by a few small outer leaves. On account of its hardness it will stand in the field for a month or more without bursting and can be shipped long distances and arrive in excellent condition. Don't fail to give Golden Acre a trial. **Pkt., 10c; ½ oz., 25c; 1 oz., 40c; ¼ lb., $1.35; 1 lb., $5.00.**

Early Jersey Wakefield. Many market gardeners consider this the very best early variety. Grown extensively for market and shipping. Its merits are many, among which are large heads for an early sort, small outside foliage and uniformity of crop. Pyramidal in shape having a blunted or rounded peak. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.**

Charleston, Wakefield

Large Charleston Wakefield. A selection from Early Jersey Wakefield, only it is about one week later than that popular early variety and grows larger heads, often averaging 8 to 10 pounds. Very solid and of fine quality. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c, 1 lb., $2.50.**

Henderson's Early Summer. This is one of the best of the large, early cabbages and is exceedingly valuable to the home or market gardener. The heads are larger than the Wakefield type and only a few days later. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.**

Glory of Enkhuizen. This second early variety is very sure heading and of excellent quality. The plants are of vigorous growth, with large rather spreading outer leaves which are noticeably curved and frilled. The heads are globular or very nearly round, very solid and of large size for so early a variety. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.**

CABBAGE---Continued

Prices Postpaid

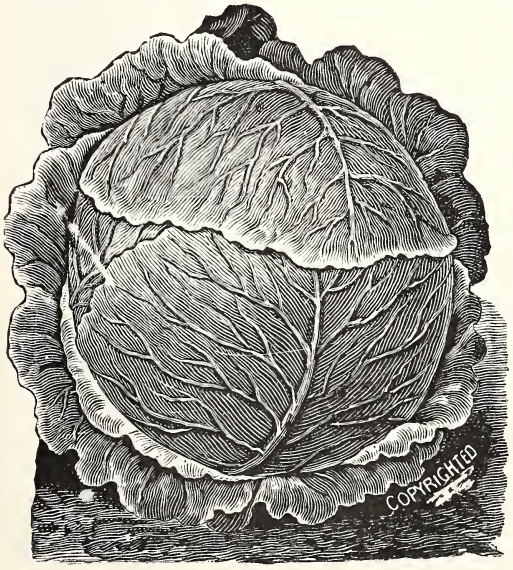
Improved Brunswick. Ours is the true short stem type. Good for early and late crops, and attains an extraordinarily large size.
Pkt., 10c; ½ oz.,, 15c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.

All Season or Surehead. The name best describes this variety as it is sure-headed of the flat Dutch type of heads and a first class main crop. The heads are very large, extremely hard and solid. This certainly is the great all-year-round cabbage. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.**

Superior Late Flat Dutch. We recommend this sort for markets that require a very large and deep head. The plants are large, fairly compact but distinctly vigorous with medium length stem and large outer leaves, which are upright in growth and moderately waved. The heads are uniformly large. .
Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.

American King. Mammoth solid heads, weighing from 8 to 12 pounds. Its chief points of merit are its absolute reliability of a sure crop, its uniformly large size of head, its great drought and worm-resisting qualities. A distinct feature of our American King is the small number and small size of the ribs. **Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; 1 lb., $3.50.**

St. Louis Late Market. This strain is the result of much care on our part to develop and maintain the good qualities which have made this sort so popular. The plants are very hardy, comparatively slow growing but very sure heading; stem rather short. The plants are exceptionally vigorous, with very large, broad, spreading outer leaves which are moderately smooth or very slightly waved and slightly blistered. This is considered by many as the standard, very large late cabbage for home garden and market. It is an excellent keeper. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c; 1 lb., $3.00.**



American King

St. Louis Late Market

Hollander or Danish Ball Head. Very hardy, sure heading, very solid, of good quality and as one of the very best keepers this is particularly desirable for distant markets or for late spring use. The leaves are distinctly upright in growth, few but rather large, long and narrow, thick, smooth, bluish green covered with whitish bloom. The heads are medium sized, round, exceptionally solid and stand shipment better than any other late sort.
Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.

RED CABBAGE

Early Red Erfurt. This is a favorite variety with those who like **Red Cabbage.** The heads grow medium size and are practically ball-shaped. They are as solid as a rock and of an intense deep red color. The quality is superb, with tender, juicy leaves.
Pkt., 10c; ½ oz., 25c; oz., 40c.

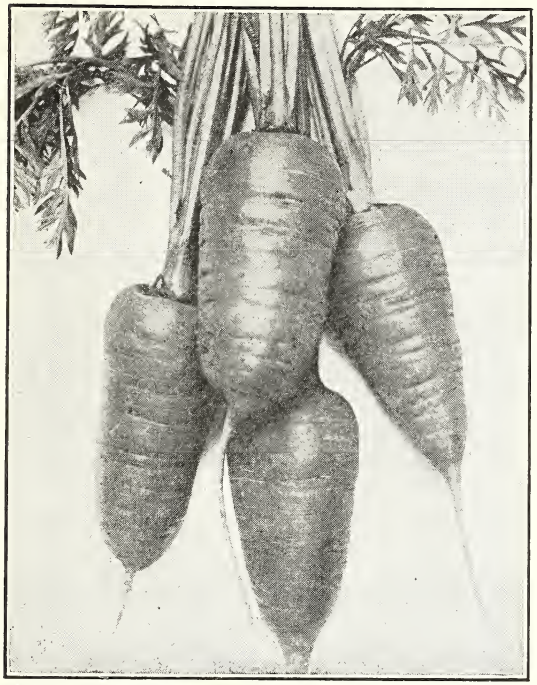
Mammoth Rock Red. The largest and surest heading red cabbage. The plants are large and vigorous with medium length stem and spreading outer leaves which are dark green with red veining. The heads are late maturing, large, round, very solid and of very attractive deep red color.
Pkt., 10c; ½ oz., 25c; oz., 40c.

SAVOY OR CURLED CABBAGE

Early Dwarf Ulm Savoy. A very early and superior dwarf variety of fine quality.
Pkt., 10c; ½ oz., 25c; oz., 40c.

Perfection Late Savoy. The best of the main crop and late Savoys for home use or market. The plants are vigorous, of medium size, with rather short stem, and are very sure heading. The heads are large, neatly round, fairly solid, sweet and tender.
Pkt., 10c; ½ oz., 25c; oz., 40c.

Cabbage plant see pages 38 and 39.



Early Half Long Chantenay

CARROT

One ounce will sow 100 feet of drill

All Postpaid

CULTURE—April is the time to sow for early use. Sow seed in drills twelve to fifteen inches apart, and thin out from three to four inches in drill, covering seed about one-half inch. For general crop sow in May, same distance apart as above but cover seed a little deeper as sun is stronger. Perfect specimens require a fine pulverized, deep soil.

Carrots are not appreciated as they should be. Their table qualities are excellent, and as a food for stock they are surpassed by a few root crops. They are especially valuable when fed to dairy cows, producing an increased flow of rich milk and imparting a beautiful golden yellow to the butter. We urge a more general use of the Carrot among our customers. Like other root crops, it flourishes best in a well-enriched sandy soil deeply tilled, and if plowed the Fall before, so much the better.

Guerande or Ox Heart. Especially desirable for soil so hard and stiff that longer rooted sorts would not thrive in it. The tops are comparatively small. The mature roots are four and one-half to five inches long, very thick, ending abruptly in a small tap root. The flesh is bright orange, fine grained and sweet. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., $1.00.**

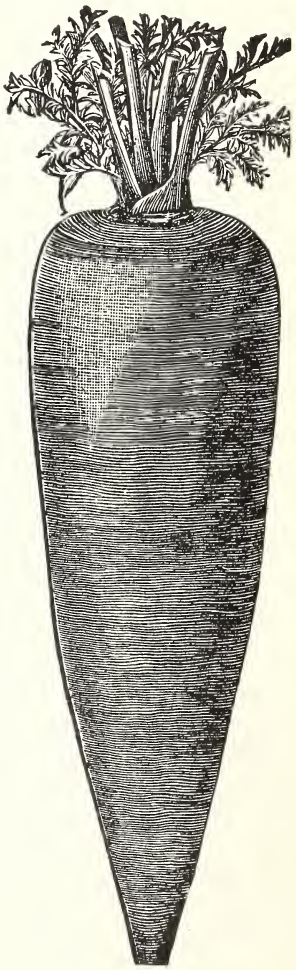
Early Half-Long Scarlet Chantenay. This extensively used, half-long early variety has small tops and is excellent for the market or home garden. The roots are cylindrical, smooth and of a bright orange color. This variety is of the finest quality and is one of the most symmetrical and handsome of the medium sized sorts. The mature roots are usually five to six inches long. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., $1.00; 5 lbs., $4.50.**

Danver's Half-Long. For a general crop Danver's Half-Long Carrot stands supreme; a half-long orange carrot, grown largely on account of its great productiveness and adaptability to all classes of soil. It is a desirable second early carrot for the home garden and is also suitable for field culture. The tops are of medium size. The mature roots are of medium length, six to eight inches long, tapering uniformly to a blunt point. The flesh is deep orange, tender and of good quality. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., $1.00; 5 lbs., $4.50.**

Improved Rubican Stump-Rooted. It is a truly magnificent carrot of a rich orange shade and a most excellent flavor. As a carrot of all uses, it stands alone on account of its extreme sweetness and its enormous yielding properties. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., $1.00; 5 lbs., $4.50.**

Frankfurt. A most excellent, medium early, half long variety. It is one of the best in quality for the market and home garden, while its great productiveness and the ease with which it can be harvested make it desirable as afield sort. The tops are medium sized with small neck. The mature roots are thick, seven to eight inches in length, uniformly half long or stump rooted but tapering slightly, smooth, deep orange-red in color. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25.**

St. Valery. The roots of the improved strain of this variety we offer are very deep orange, long and comparatively thick, often twelve inches in length and three inches in diameter at the crown, tapering regularly to a point. The tops are rather large. This intermediate to late maturing sort is suitable for table use as well as stock feeding. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 75c.**



Danvers

CELERY

One ounce will produce about 3,000 plants. Price Postpaid.

CULTURE—The proper time to sow is eary in April, transplanting about the first of June. Set in rows 3 feet apart, and about 8 inches between plants in the row. Keep down all weeds, and as Fall approaches, draw earth ip to the plants, keeping the stalks well together.

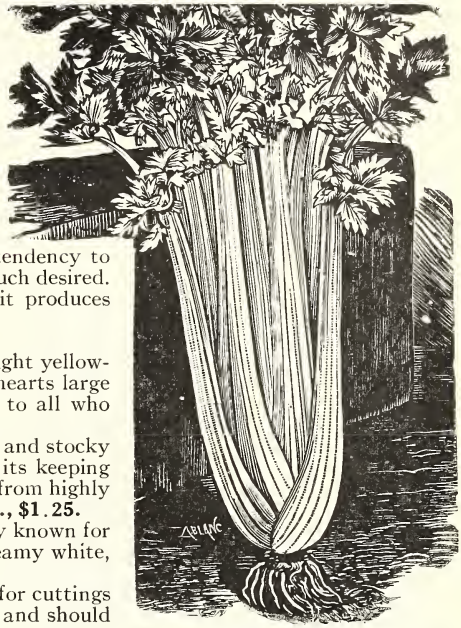
Golden Plume. This new strain of Celery closely resembles the old Golden Self-blanching in crispness and flavor, but is distinctly larger and ranker in growth, more plainly ribbed, blanches more quickly, matures rather earlier and shows less tendency to blight or crown-rot. It shows the large full-plumed center so much desired. Golden Plume is rapidly displacing Golden Self-blanching as it produces **more** marketable Celery and is first on the market.
Pkt., 10c; ½ oz., 35c; 1 oz., 60c; ¼ lb., $2.00.

Golden Self-Blanching. The heart is rich golden yellow with light yellowish green outer leaves. The ribs are thick and broad and the hearts large and solid. Its crispness and delightful flavor has endeared it to all who plant it. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.75.**

Sanford's Easy Blanching. The stalks are of medium height and stocky in growth, and the easiness with which they are blanched and its keeping qualities has made it a universal favorite. Our seed was grown from highly selected, extra fine stock. **Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.25.**

White Plume. Valuable for Fall or early Winter use, very widely known for its remarkable vigor and is a truly beautiful type with stalks creamy white, crisp and delicious. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

Curled Celery. This variety is a great favorite of the gardeners for cuttings and bunching. Its use for flavoring has made it very valuable and should be grown on that account. For use in soups, etc., it is unexcelled.
Pkt., 10c; oz., 25c; ¼ lb., 75c.



Golden Plume

CELERIAC

(Turnip Rooted Celery)

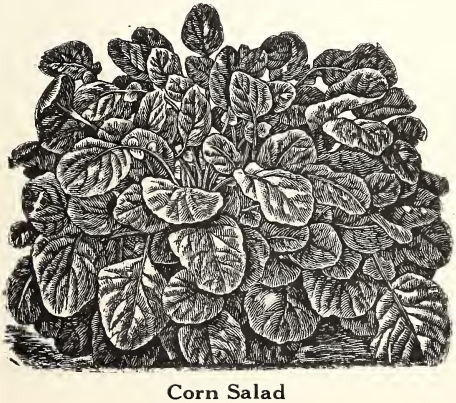
CULTURE—Treat seeds and plants the same as recommended for celery with the exception that it is customary to set the plants in rows 1 foot apart.

Giant Prague. (Turnip Rooted). This celebrated variety is the largest, smoothest and best strain of celeriac that can be obtained. Owing to its fine flavor it should be more widely grown than it is as it is fine for flavoring soups and salads or boiled like turnips and parsnips. **Pkt., 10c; oz., 25c; ¼ lb., 75c.**

COLLARDS

A GREAT favorite in the South where they are used extensively for "greens". Culture similar to cabbage.

Georgia or Southern. The standard variety for productiveness. **Pkt., 10c; oz., 15c; ¼ lb., 40c.**



Corn Salad

CHICORY

WITLOOF CHICORY—In order to grow good "Witloof" the seed should be sown during April in the open ground, in drills 10 to 12 inches apart, in deep, rich soil. Allow the plants to grow until November, then take up the roots and trim off the leaves up to about 1½ inches from the neck. Then plant in a trench 8 to 12 inches deep, placing the roots upright, about 1½ inches apart.

Witloof. Is eaten raw or as a salad and is also sometimes cooked like ordinary Endive. This is the best variety of Chicory.
Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.

Large Rooted. The finest flavored and hardiest growing variety
Pkt., 10c; oz., 25c; ¼ lb., 75c.

Witloof Chicory

CARDOON

Cardoon. Main stalks are blanched like Celery; used for salads or in soups. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.**

CORN SALAD OR FETTICUS

One ounce will sow about 100 feet of drill.

SOW the seed in early spring at the time of the first sowing of lettuce and make successive plantings as often as desired. For very early salads, sow in the Fall and by protecting the plants during the winter months with leaves and straw, it can be gathered very early in the spring.

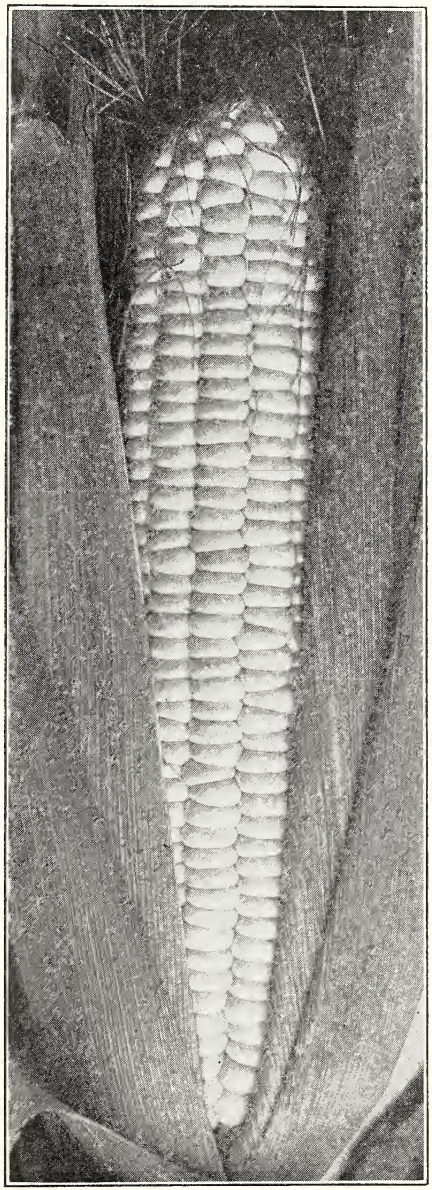
Large Leaved. The hardiest, earliest and most appetizing variety grown. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.**

CORN, SWEET OR SUGAR

(By parcel post, add postage at 1 lb. rate.)

One pound of seed will plant about 100 hills; 20 to 25 pounds, an acre in hills.

A RICH, warm soil is the best, but excellent sweet corn can be raised on any good, ordinary soil, if it is deeply and thoroughly worked before planting. In the north sweet corn may be planted as early as can be done without risking great loss from frosts or from rotting of the seed in the soil, but with the main crop varieties especially, it is well to wait until the ground has become warm as the sweeter varieties are more sensitive to cold and wet than field corn or varieties of inferior quality. If planted in rows, make the rows three to four feet apart, according to the vigor and growth of the variety, and place the seeds twelve to sixteen inches apart in the row, covering one inch deep with fine soil firmly pressed down. If planted in hills, make the hills for the early varieties three feet apart each way and plant four to six kernels to the hill. For the later sorts the hills should be three and one-half to four feet apart each way. Hoe frequently and when six inches high thin so as to leave three or four plants in the hill. Give frequent and thorough but shallow cultivation until the tassels appear.



Bantam Evergreen

Our Sweet Corn is thoroughly tested before it leaves our hands. At the following prices on Corn—packets and quarter pounds are sent prepaid, all larger quantities are shipped at purchaser's expense.

NOTE: If in the market for 100 lbs., or over, write for price.

Golden Sunshine. A very early sweet corn with golden yellow grain, very tender and of excellent quality. Golden Sunshine fills a long felt want for a Golden Bantam type which will come on the market earlier than that variety. The plant growth is more dwarf and the ears closer to the ground. The ears are the same size as Bantam but 12-rowed instead of 8, of equally good color and with a high quality grain. The flavor is exceptionally rich and delicious.

Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 10 lbs., $3.00.

Bantam Evergreen. A Yellow Sweet Corn noted for its excellent qualities; much larger than Golden Bantam and claimed to be more productive, it is also claimed to be considerably earlier; a splendid variety for mild and late season planting.

Pkt., 10c; ½ lb., 25c; 1 lb., 35c; 10 lbs., $2.50.

Early Evergreen. Has proven its merit as the best evergreen strain that is distinctly earlier than Stowell's. The ears of the Early Evergreen are about seven to seven and one-half inches long with fourteen to twenty more or less irregular rows with very deep, white grain of the very best quality. Stalks about six and one-half to seven feet high. A very desirable main crop variety for home garden and market.

Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., $2.50; 25 lbs., $4.75.

Golden Bantam. The ears are eight rowed, six to seven inches long and of the medium size found most suitable for the table. The flavor is exceptionally rich and delicious. The stalks are four to five feet high.

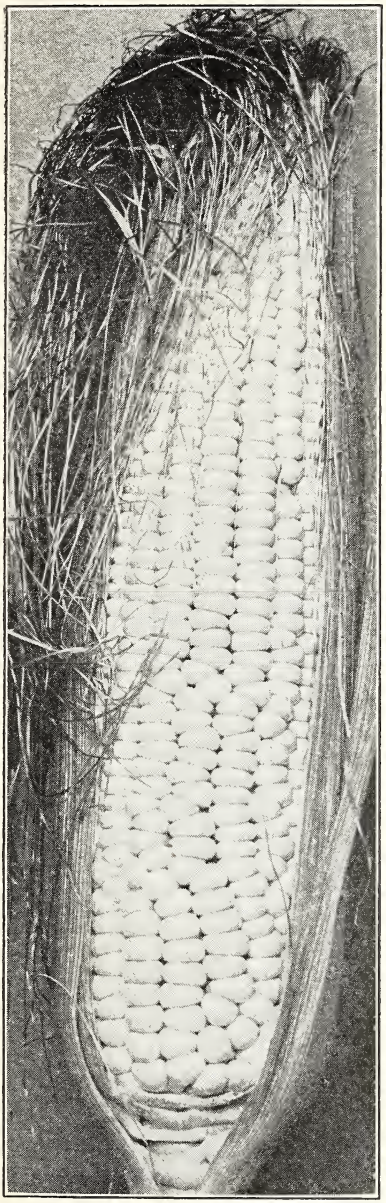
Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., $2.50.

Extra Early Adams. Very early and used extensively for a first early table corn in the south. The stalks are about four feet high, with small tassel, very few leaves, and without suckers. The ears are short, very full, twelve or fourteen rowed. This is an extremely hardy variety which can be grown closer together than most sorts.

Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 10 lbs., $1.75; 25 lbs., $3.75.

Early Adams. The ears are about eight inches long. twelve or fourteen rowed. The kernels are white, rounded, somewhat deeper than broad.

Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 10 lbs., $1.75; 25 lbs., $3.75.



Stowell's Evergreen

SWEET OR SUGAR--Continued

(By Parcel Post add Postage, 1 lb rate)

Mammoth White Cory. The ears are very large for so early a variety. The stalks are about four feet high, each generally bearing two large, finely shaped ears which become fit for use as early as those of any variety. They are twelve rowed, six to seven inches long, very symmetrical and handsome, seldom with any opening between the rows at the base. The grain is large, broad, very white and of remarkably good quality.
Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., $2.50; 25 lbs., $5.00.

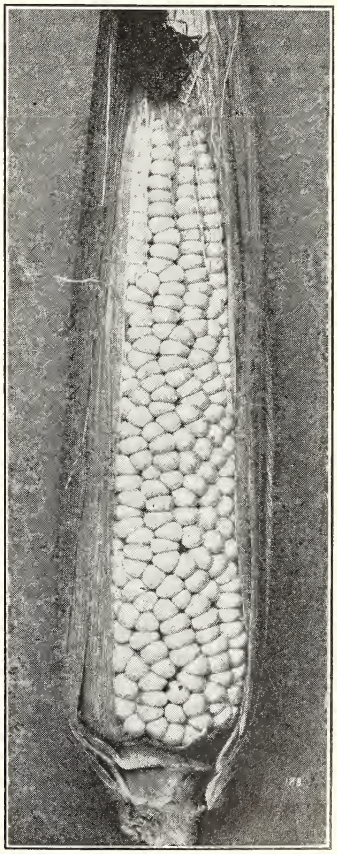
GENERAL CROP AND LATE

Howling Mob. The stalks are usually about 5 feet in height and produce early in the season two splendid ears to a stalk. The ears are 7 to 9 inches in length and are well covered with a heavy husk.
Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., $2.40; 25 lbs., $4.75.

Stowell's Evergreen. The standard main crop variety, much used for the home garden, market and canning. It is hardy and productive, very tender and sugary, remaining a long time in condition suitable for boiling. Our stock has been carefully grown and selected to avoid the tendency to a shorter grain and deterioration in the evergreen character of this best known of all late sorts. The ears about ten to twelve inches long, fourteen to twenty rowed, with very white grain. **Pkt., 10c; ½ lb., 20c; 1 lb. 35c; 10 lbs., $2.50; 25 lbs., $4.75.**

Country Gentleman. This variety has a small white cob, densely covered with irregular rows of very long, slender, white grains of excellent quality. The ears are 7 to 9 inches long. The stalks are from 6½ to 7 feet high. It is well adapted for canning as well as the home garden and market. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., $2.50; 25 lbs., $4.75.**

White Evergreen. Stalks very vigorous, 6 to 7 feet high. The ears are uniformly very large and well-filled. When in the green state both cob and kernel are white as snow. **Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., $2.50.; 25 lbs., $4.75.**

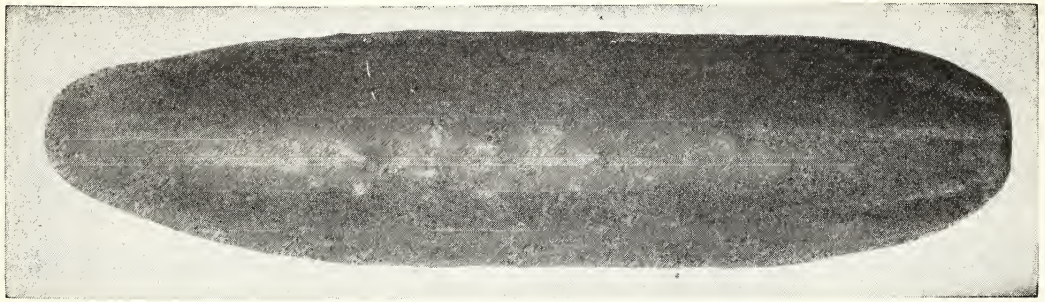


Country Gentleman

POP CORN

Japanese Hulless. Also known in some sections as Japanese Rice. The Japanese Hulless is a dwarf-growing corn, a heavy yielder of attractive ears peculiar in form, being nearly as thick as long. The kernels are similar to the best strains of White Rice, only longer and slimmer and pearly white in color, but its crowning merit lies in its popping quality, fine flavor and absence of hull or shell

Pkt., 10c; lb., 25c; 10 lbs., $2.00.



St. L. S. Co.'s Improved Green Hybrid

CUCUMBER

By Parcel Post add Postage lb. rate.
One ounce will plant 50 hills; 2 pounds will plant an acre in hills, 5 pounds in drills.

CULTURE — The first planting should be made in May in hotbeds; inverted sods form an excellent medium for both planting on and carrying the younger plants to their permanent location, small paper pots can also be used. Such plantings are usually ready for transplanting to the open ground in from three to four weeks.

The striped cucumber beetle is often very destructive to young plants. These beetles, when not very numerous, are usually kept from doing serious damage by dusting the plants with slug shot.

Arlington Improved White Spine. One of the best sorts for table use. The vines are vigorous, fruiting early and abundantly. The fruits are uniformly straight, dark green, fairly well covered with white spines and when mature are usually about seven inches in length. The flesh is crisp, tender and of excellent quality. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., $1.00.**

Davis Perfect. A very fine cucumber for market as well as the home garden. Fine length, beautiful dark green color. Fruits eight to ten inches long, tapering at both ends, solid flesh, few seeds. It is one of the most popular among extra long white spine cucumbers. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25. 5 lbs., $6.00.**

Early White Spine. This truly is the peerless cucumber znd for slicing it has no equal. Our select strain of this variety is unsurpassed for the table or market. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., $1.00.**

St. L. S. Co.'s Improved Green Hybrid. In our "Improved Green Hybird" we offer the perfect cucumber ,an extra early species of a most remarkable quality as well as appearance. For slicing it is superb, and its symmetrical fruits are uniformly large. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25; 5 lbs., $6.00.**

Early Green Cluster. An early and very productive variety. The vines are hardy and very vigorous, bearing fruits in clusters of two or three. The fruits are short, thick bright green, shading lighter at blossom end, crisp and tender. This sort is planted in many sections for the home garden. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., $1.00.**

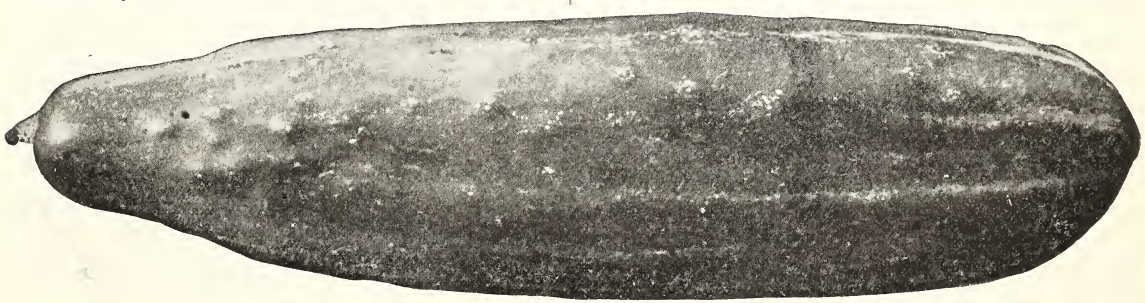
Extra Long or Evergreen White Spine. The fruits of this very desirable table sort are long, cylindrical, very dark green, with very white, crisp and tender flesh. The vines are vigorous and productive and come into full bearing somewhat later than Early White Spine. The mature fruits are about eight to ten inches in length. **Pkt. 10c; oz., 15c; ¼ lb., 35c; 1 lb., $1.15; 5 lbs., $5.50.**

Gherkin or Burr. An early maturing, very small, dark green cucumber; cylindrical, square ended, and very popular with many growers who want an ideal bottle pickle. **Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.**

London Long Green. The stock we offer under this name is in a class by itself. The vines are very vigorous and productive. The fruits are very long, often twelve to fifteen inches when mature. The large warts and spines are well distributed over the surface instead of being clustered at one end as in inferior stocks. It is a standard sort for slicing and is very largely used for pickles. This is probably the most extensively used cucumber for the home garden and market. We have given this variety especial attention for many years and we believe the stock we offer has no equal. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25; 5 lbs., $6.00.**

Japanese Climbing. Here is a variety that won't take up so much space in your garden as it easily trails up poles or trelises. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25.**

Jersey Pickling. This variety is between the Long and the Short Green, forming a long, slender, cylindrical deep green pickle which is very crisp and tender. The vines are very vigorous and productive .The matu e fruits are usually about eight to nine inches in length. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., $1.00.**



Extra Long White Spine or Evergreen

Cress

CRESS

One ounce of cress will sow two hundred feet of row

AS EARLY in spring as the ground can be worked sow the seed in rich, well prepared soil, in shallow drills, about sixteen inches apart, covering with about one-half inch of fine soil firmly pressed down. When the young plants are well started thin four to six inches apart in the row. For succession plant every two weeks, thinning out as required for use. Keep off insects by dusting with Hammond's slug shot.

Curled or Pepper Grass. The leaves of this small salad are much frilled or curled, and are used for garnishing. It is also desirable with lettuce, to the flavor of which its warm, pungent taste makes a most agreeable addition. The plant is of rapid growth, about one foot high. **Pkt., 10c; oz., 15c; ¼ lb., 40c;**

Water Cress. A very hardy plant which can be grown easily in a shallow pond of fresh water or along the edges of shallow running streams. Seeds may be started readily in pans or boxes of very moist earth, and when the young plants are well started, they can be transplanted to the stream or pond. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.75.**

Green Curled Endive

ENDIVE

One ounce of seed to 300 feet of row.

ONE of the best salads for fall and winter use. Endive is not only much used for salads and garnishing but is also desirable for greens and for flavoring soups and stews. Plants may be grown at any season of the year but are more generally used late in the fall. For early use sow about April 15th; for later supply sow in June or July in drills 14 to 20 inches apart and when well started thin the plants to one foot apart. When nearly full grown tie the outer leaves together over the center in order to blanch the heart of the plant.

Green Curled. Ornamental curled leaves of dark green color. Blanches white and crisp. This is the standard variety and most widely planted.
Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.25.

White Curled. Leaves are not as tender as the green curled, but it is self-blanching and very attractive.
Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.25.

Broad-Leaved or Escarolle. Broad, thick, ribs, with slightly wrinkled leaves. This is the best broad-leaved variety.
Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.25.

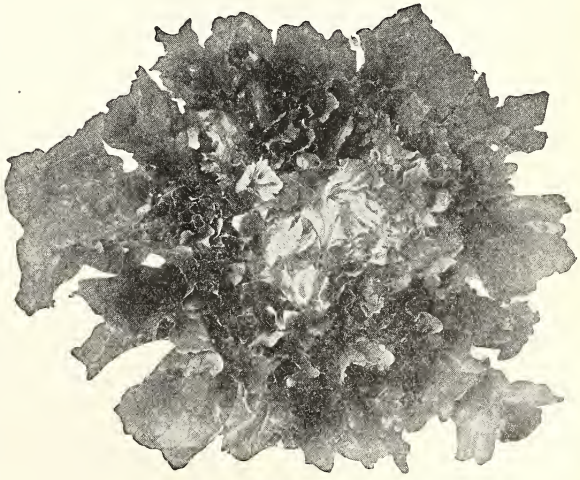
DILL

Dill Mammoth. An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning. It possesses medicinal properties but its largest use is for making Dill pickles. Plant branching, two to three feet high; leaves very much cut into thread-like segments.
Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.

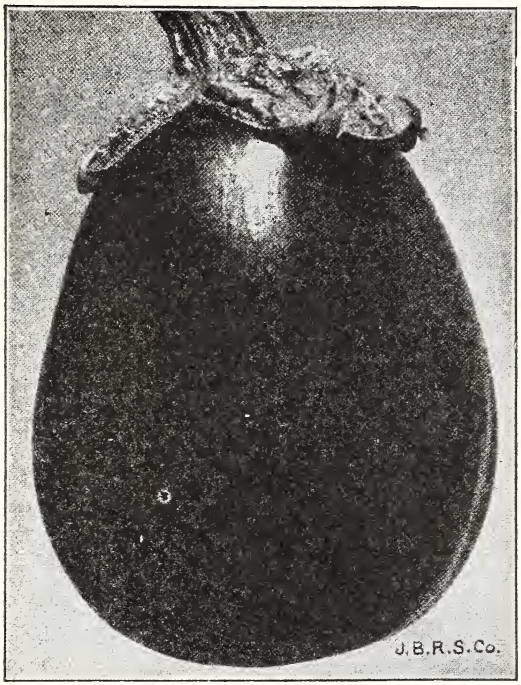
DANDELION

One ounce will sow 100 feet of row.

Use a clean, warm, rich soil. Sow in early spring in rows 18 inches apart, covering firmly with ½ inch of fine soil. When plants are well developed, thin or transplant to 10 or 12 inches apart. Leaves will be fit to cut the following spring. Leaves are best when blanched. This process removes to some extent the bitter taste without impairing the qualities which make them valuable greens. Blanching may be done by covering with leaves or loose litter, or by boarding them over. The leaves are used as salad or as boiled greens, the roots as a substitute for coffee. **Pkt., 10c; oz., 35c.**



Broad-Leaved or Escarolle



St. L. S. Co.'s Imp. Oval Spineless Egg Plant

KALE

By Parcel Post, add Postage, at lb. rate.

Sow four pounds to the acre; one ounce will sow 150 feet of drill.

THIS is extensively grown, especially in the south during the fall, winter and spring. The leaves are used principally for greens. A favorite way is to cook them with bacon. The leaves are also used for garnishing.

Kale Tall Scotch

EGG PLANT

One ounce will produce about 1,000 plants; ¼ lb. will sow an acre.

Any good garden soil will serve, but fertilizing will repay. Start seed in greenhouse or hotbed in March. As the seed is slow to germinate, press soil firmly when covering. Be careful not to check growth by exposure. When plants are 2 inches high transplant to 3-inch pots. Set out in open ground about May 1, allowing 2½ feet between plants each way. Hoe frequently, keeping the soil loose and fine. Cover soil with a mulch of straw 2 inches deep to preserve moisture during hot weather. Do best in warm weather.

St. L. S. Co.'s Improved Oval Spineless. The strong bushes are larger than Black Beauty and keep the "eggs" off the ground better. The large dark purplish black fruits are heavy at the base narrowing toward the top, being very early. Hardy and productive. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.50.**

Black Beauty. This distinct new variety is indeed a beauty. It is very attractive in appearance. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.50.**

Early Long Purple. An early variety; dark purple fruit, six to eight inches long. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.50.**

Dwarf German Green Kale

Where climate permits seed may be sown any time from August to October, broadcast or preferably in drills 18 inches apart so that the plants when small may be cultivated. The quality is improved rather than injured by frosts if not too heavy. Farther north sow in April or May. The young shoots which start up in spring from the old stumps are very tender and make excellent greens.

Dwarf German for Spring. An improved selection of the ordinary Dawrf German Greens A superior variety for market culture **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., $3.50.**

Dwarf German Green Home Grown (for Fall). Largely grown for supplying "greens" during the Fall Winter and Spring. The plants are hardy; frost improves the quality. The leaves are very large, deeply curled and fringed. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., $3.50.**

Double Curled Scotch. Desirable for Winter and Spring greens. Leaves are curly like Parsley, tender and of very fine flavor. It is improved by frost. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c.**

Tall Scotch. This variety makes beautiful plants, 2 feet or more in height. Leaves are finely curled and very tender. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c.**

KOHL-RABI

One ounce will sow about 200 feet of drill.

CULTURE—This is a very delicious vegetable. The edible part is the turnip-shaped bulb formed above ground. It is tender and excellent when used before fully grown, combining somewhat the flavors of cabbage and turnip. Seed should be sown in light, rich soil as early in spring as possible in rows one and one-half feet apart and when well established thin to six inches apart in the row. Plantings at intervals of ten days will give a succession until hot weather, when they fail to grow well. Plantings may be made the latter part of July for fall use.

Early White Vienna. A standard sort for market and table use. Good for forcing. This variety has a very short top and forms the ball quickly, thus making it a particularly desirable sort on account of its earliness.
Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.25.

Early Purple Vienna. Differs from the early White Vienna in color only. **Pkt., 10c; oz., 25c; ¼ lb., 90c.**

Early White Vienna

LEEK

One ounce will sow 100 feet of row; 4 pounds will sow an acre.

This belongs to the onion family and is a good fall and winter substitute for green onions. The leaves are flat, and the stems are very large, cylindrical and bulbous. Sow early in spring in drills twelve to fifteen inches apart, covering one-half inch deep. Thin plants to six inches apart in row and draw the earth about them when cultivating.

London Flag. This well known broad leaved leek is hardy, productive, of good quality, and is extensively cultivated in this country.
Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., $1.75.

Large Rouen. Stems very thick but comparatively short. Leaves broad, covered with whitish bloom. This winter sort stands a long time in condition for use. **Pkt., 10c; oz., 15 c; ¼ lb., 50c; 1 lb., $1.75.**

HERBS

SWEET, MEDICINAL AND POT HERBS

CULTURE—For early sow seed in hotbed in March, or open ground in May, in rows one foot apart. Cover very lightly and thin out when large enough to six or eight inches in row. They should be cut on a dry day, before they come into full blossom. Tie in bunches and keep where they will dry quickly. The varieties marked in asterisk (*) are hardy perennials. To preserve herbs properly, cut the stems and leaves just as the plant is coming into bloom, dry them in the shade, and when perfectly dry, wrap them up in paper or store them away in a dry room, or rub the leaves to a powder, pack in bottles and cork tightly, and store them away, which will preserve them for any period.

Anise. An annual herb cultivated principally for its seeds which have a fragrant, agreeable smell and a pleasant taste. **Pkt., 10c.**

***Balm.** A perennial herb, easily propagated by division of the root or from seed. The leaves have a fragrant odor, similar to lemons and are used for making balm tea. **Pkt., 10c.**

Basil, Sweet. A hardy, aromatic annual. The seeds and stems have a strong flavor and are used in soups and sauces. Plant about eighteen inches high. **Pkt., 10c.**

Borage. A hardy annual used as a pot herb and for bee pasturage. The bruised leaves immersed in water give it an agreeable flavor and are sometimes used in salads to give a cucumber-like taste. Plant of coarse growth, hairy.
Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.

Caraway. A well known herb, cultivated for its seeds, which are used in confectionery, cakes, etc. The leaves are sometimes used in soups, for flavoring liquors and for colic in children.
Pkt., 10c.

***Catnip or Catmint.** Leaves for seasoning. **Pkt., 10c.**

Chervil, Curled. Largely used in soup. **Pkt., 10c.**

Coriander. A hardy annual cultivated for its seed which has an agreeable taste and is used in confectionery and to disguise the taste of medicine. **Pkt., 10c.**

Dill Mammoth. An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning.
Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.

***Fennel, Sweet.** A hardy perennial. The seeds of this aromatic herb have a pleasant taste, and are sometimes used in confectionery, also in various medicinal preparations. **Pkt., 10c.**

***Horehound.** A perennial herb with an aromatic odor and a bitter pungent taste. It is a tonic and enters largely into the composition of cough syrups and lozenges. Laxative in large doses. **Pkt., 10c.**

***Lavender.** A hardy perennial, growing about two feet high. It is used for the distillation of lavender water or dried and used to perfume linen. It should be picked before it becomes dry and hard, and dried quickly. **Pkt., 10c.**

***Marjoram, Sweet.** An aromatic herb for seasoning. The young tender tops and leaves are used green in summer to flavor broths, dressings, etc., and are also dried for winter use. Usually grown as an annual as it is not hardy enough to endure the winter of the northern States. **Pkt., 10c.**

***Rosemary.** A hardy perennial, with fragrant odor and a warm bitter taste. The leaves are used for flavoring meats and soups, and for medicinal drinks. **Pkt., 10c; oz., 25c.**

***Sage.** One of the most extensively used herbs for seasoning. It is also believed to possess medicinal properties. Hardy perennial, about fifteen to eighteen inches high. Plant very branching; flowers usually blue, sometimes pink or white; leaves grayish green, oval wrinkled. **Pkt., 10c.**

Saffron. A hardy annual. Cultivated for its flowers which are used principally for coloring, sometimes for flavoring and to make the cosmetic powder called rouge. The flowers should be picked while in full bloom. **Pkt., 10c.**

***Sorrel (Broad-Leaved).** For boiling "greens" or salad. Cooks like spinach or with it, one third Sorrel.
Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., $1.75.

Savory, Summer. A hardy aromatic annual twelve to fifteen inches high, the dried stems, leaves and flowers of which are extensively used for seasoning. **Pkt., 10c.**

Tarragon, (Estragon). For flavoring. The young leaves are used for pickles, vinegar, etc. **Pkt., 10c.**

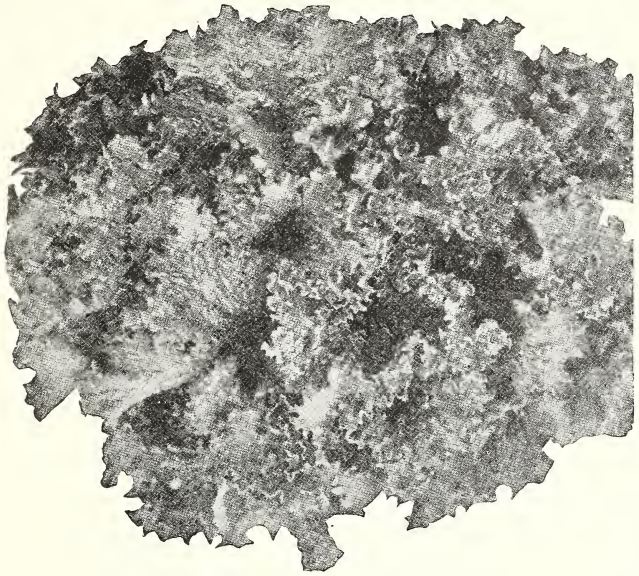
***Thyme.** An aromatic perrenial herb, eight to ten inches high, used principally for seasoning. Plant very branching with wiry foliage and small lilac flowers. **Pkt., 10c.**

***Woodruff.** Fragrant leaves and stems; used for putting among clothes. **Pkt., 10c.**

***Wormwood.** Used medicinally and in liquors; a good tonic for poultry. **Pkt., 10c.**

LETTUCE

One ounce will produce from 2,000 to 3,000 plants; 3 pounds will sow an acre.



Grand Rapids Lettuce

Lettuce may be grown in every garden. Well-rotted stable manure should be well mixed in the soil. If this cannot be secured, use good commercial fertilizer, which should be raked in after digging. Sow seed as soon as ground can be worked, and thin out as desired. If for heading, leave plants 8 to 10 inches apart. If for cutting, they may be left much closer. Successive sowings may be made until about August 5. Constant cultivation is necessary.

Early Curled Varieties

Early Curled Simpson. The standard loose-headed variety. Earlier than the heading sorts. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.**

Black Seeded Simpson. Larger and lighter color than Early Curled Simpson. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.**

Grand Rapids. Especially adapted for early family use. A loose-headed Lettuce of pleasing appearance and remarkable table merit.
Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.

Prize Head. As its name implies, forms a very large, loose head, slightly tinged with brown. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.**

Five Best Heading Varieties

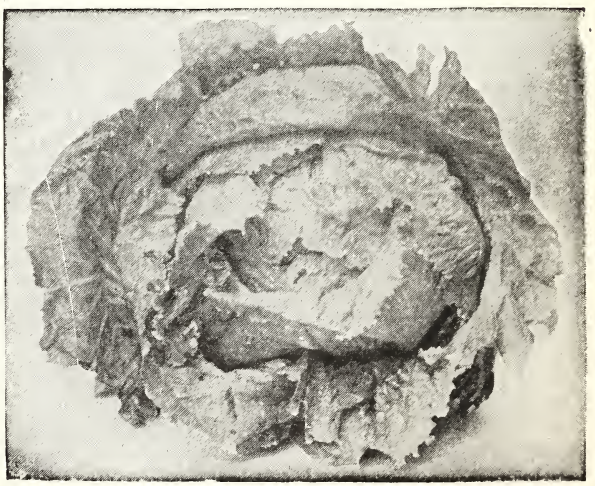
Mammoth Black Seeded Butter. A fine variety for outdoor planting or for cold frames, either for market or home use. It produces extra large heads, very compact, of a fine flavor.
Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.

Iceberg. A sure and hard-heading hot-weather variety. Outer leaves light green, curly, and finely fringed. Hearts are of a beautiful white color, crisp and tender. Fine appearance and mild flavor. Use this during the hot summer months. This is quite commonly confused with New York, but is really distinct, being much lighter in color.
Pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., $2.50.

St. L. S. Co.'s Big Boston. This grand variety has proved to be valuable. Whether it is grown in the open ground for Summer and Fall use, or in frames for Spring, it still produces the splendid, large, buttery-yellow heads, packed with thoroughly blanched leaves, crisp, tender.
Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50; 5 lbs., $7.00.

N. Y. Wonderful. This is a decidedly crisp, cabbage-heading variety. It is very large and robust growing, rooting deeply, resisting hot, dry weather, is very slow to run to seed, and is a sure header under most trying conditions. The solid heads often measure 15 inches across. The leaves are broad, fairly blistered, crumpled and twisted, thick, stiff and coarse in appearance and very flatly and tightly overlap one another.
Pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., $2.50.

St. Louis Market



Iceberg Lettuce

ST. L. S. CO.'S BIG MARKET GARDENER LETTUCE

A Grand Large Cabbage Lettuce—Early Spring or Fall.

THIS is the most extensively grown lettuce in the country either for market or private tables. For a time-tried and true Lettuce you will find the Market Gardener the finest lettuce that can be planted when you consider its many fine qualities. Whether grown in the open ground for early Spring or Fall use, or in frames for Spring, it invariably gives both the grower and user the utmost satisfaction, producing under ordinarily favorable conditions, splendid buttery-yellow heads, packed with thoroughly blanched leaves, crisp, tender, sweet, white and of the most exquisite flavor. Its handsome appearance with large outside leaves and its long-standing qualities without running to seed have made it the universal favorite. The best test is to visit some of the large growers in this vicinity and see the large areas of it; may be seen as late as November 15th; a slight covering of salt hay amply protects the plants from hard frosts, and when cut for market the leaves are fresh and bright.

Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50; 5 lbs., $7,00.

St. L. S. Co.'s Black Seeded Forcing. The favorite of gardeners who grow for the St. Louis market. Where there is always a big demand for this popular variety. Heads are of a medium size, well formed and compact, of excellent quality and fine appearance. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.**

St. L. S. Co.'s Summer. This excellent variety is noted for its extra large and firm heads, and thin leaves of the finest quality. It is a very large, robust-growing variety, and a sure header; forms a head in six weeks; at least ten days earlier than the Big Boston. May be sown all through the year and stands heat remarkably well. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.**

St. L. S. Co.'s Imp. Butter. This is one of the fienst, the most brittle as well as the crispest lettuce. This delicious variety is of the cabbage type. Every plant is uniformly perfect, nearly all head with but few outside leaves. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.**

St. Louis Market. A great favorite among the gardeners where its many good qualities insure for it a big market demand, with a good price for same. Its large heads of crisp, buttery flavor have made this variety the most popular market variety. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1lb., $1.25; 5 lbs., $5.00.**

Hanson. In every respect an ideal lettuce. It never fails to make large, handsome heads. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.**

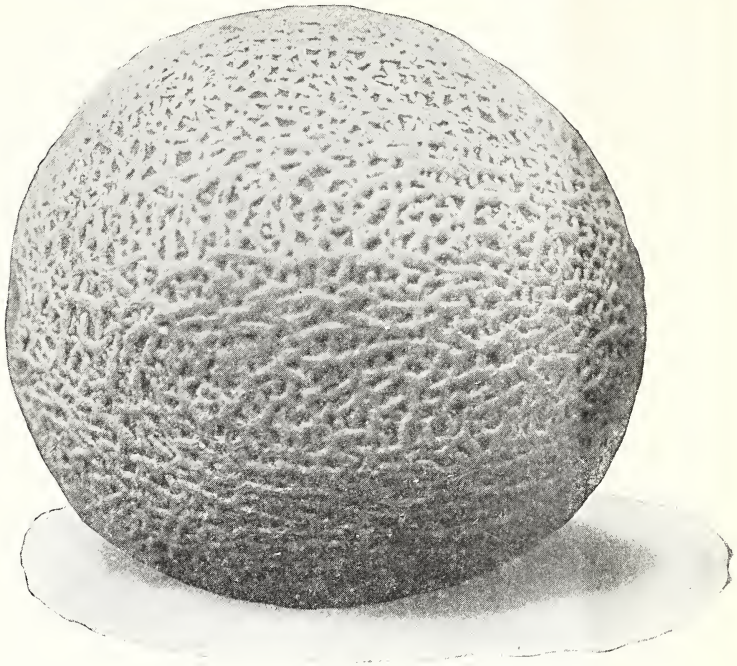
Hardy Green Winter. The standard Winter sort. Of delicious flavor. **Pkt., 5c; oz., 15c; ¼ lb., 50c.**

Trianon Cos. (Romaine). Head tall and very thick, blunt at top. Leaves are very light green, crimped, broad-ribbed, and of a long narrow spoon shape. **Pkt., 5c; oz., 15c; ¼ lb., 50c.**

MUSKMELON

(Seed by Parcel Post, ½ lb. or over, add Postage at 1 lb. Rate)

AFTER danger of frost is past, the ground being warm and in good condition, plant in rich soil, preferably sandy loam, in hills about four to six feet apart according to the vigor of the variety. Put ten or twelve seeds in a hill, covering with about an inch of fine soil firmly pressed down. When the plants begin to crowd and the striped beetles are pretty well gone thin to four of the most vigorous plants in a hill. Give frequent but shallow cultivation, until the plants make runners so long that this is impracticable. Rich earth for the young plants is far better than manure, but if the latter must be used, see that it is well rotted and thoroughly mixed with the soil.

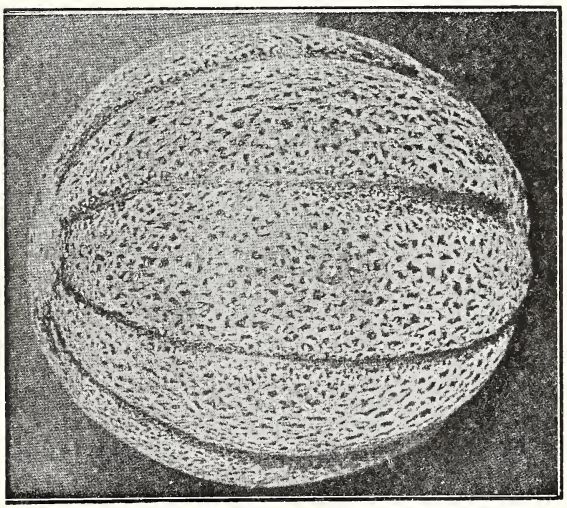


Rocky Ford Pink Meat (Pollack No. 10-25)

Banana. The flesh (the melon being nearly solid) is of a rich salmon. It grows from 20 to 28 inches in length and is very prolific. **Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.**

Burrel Gem. The flesh is of the most handsome salmon color, the skin of a beautiful netted dark green; it is shallow ribbed and shaped similar to the Rocky Ford, only larger. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 90c; 5 lb., $4.00.**

Colorado Queen. The best green-fleshed melon for shipping long distances. The illustration shows the shape. The netting is heavy, slightly covering the ribs. **Pkt., 10c; oz., 15c; ¼lb., 35c; 1 lb., 90c; 5 lbs., $4.00**



Colorado Queen

Honey Ball. Is an outstanding new melon, Ball-Shaped, and has **delicious gfeen meat.** The skin is greenish white and slightly netted. Very prolific and of most delicious flavor. It is a cross between a Cantaloupe and a Honey Dew Melon. **Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.**

Honey Dew. The skin when ripe is creamy yellow in color. Flesh light emerald green, fine grained and of very sweet, sugary flavor. Rind thin but very firm and the fruits stand shipping remarkably well. **Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.**

Osage. Dark green skin of a peculiar netting. Salmon flesh, very delicious. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.**

Rocky Ford. A well-known, profitable market sort of the small basket-melon type. The vines are vigorous, producing an enormous quantity of fruits. The flesh is light green in color. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 75c; 5 lbs., $3.50.**

Rocky Ford Pink Meat (Pollack No. 10-25). This Muskmelon is considered the best of the salmon-fleshed Rocky Ford. The fruits are of great uniformity in size and shape, with well developed gray netting, closely laced and covering the entire surface. The rich salmon flesh is deep very, solid, of a luscious sweet flavor, and ripens clear to the rind. Its shipping qualities are excellent. **Pkt. 10c; oz., 15c; ¼ lb. 35c; 1 lb., 90c; 5 lbs., $4.00.**

St. Louis Market. By far the sweetest and most luscious, richly flavored melon ever grown. Flesh is green and delicious, rind is green and solid. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., $4.00.**

Tip-Top. The most productive Muskmelon known; good for early or late, having a sweet, juicy, fine flavor; solid flesh and eatable to the outside coating. The fruit is of large size, nearly round evenly ribbed. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.**

Mango Melon or Vegetable Peach. Orange shaped, golden yellow flesh. Makes splendid mangoes, stuffed like Peppers. **Pkt., 10c; oz., 25c.**

WATERMELON

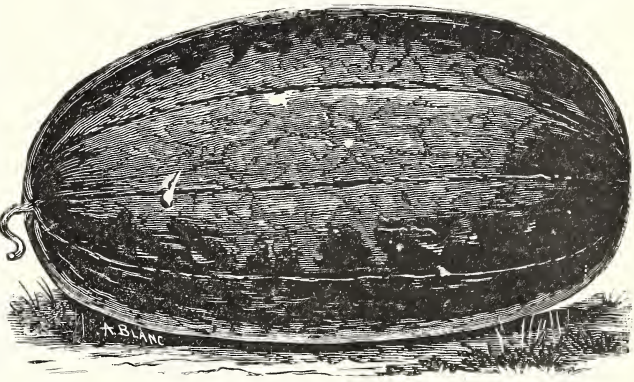
By Parcel Post, 1 lb. or over, add Postage at the 1 lb. Rate.

CULTURE—Treat the same as Muskmelon, except that they should be planted 8 to 10 feet apart, according to variety.

Fordhook Early. A most delicious and productive variety for the family garden, succeeding in northern states, where melons were never matured before. The flesh is of a beautiful bright red color.
Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.

Kleckly Sweets (Monte Cristo). Is especially recommended for its fine flavor—in this respect surpassing most all others.
Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.

Tom Watson. A large, long melon similar in shape, color and splendid quality, averaging large in size and with a tough rind, making it especially adapted for shipping to distant markets. The flesh is rich red, sweet and tender. Seed white, more or less marked with brown. Wherever grown in the South it has become very popular as a shipping sort.
Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; 5 lbs., $2.50.



Tom Watson

St. L. S. Co.'s Sweetheart. Almost globular, but a little longer than thick. Skin is a beautiful light, bright mottled green, thin, but very tough rind.
Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.

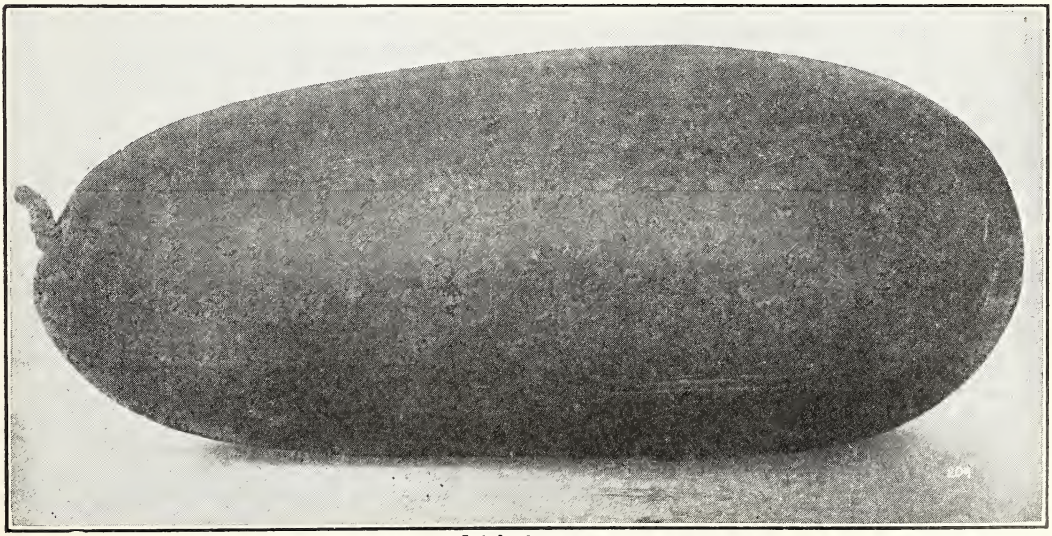
Florida Favorite. Shape oblong with light and dark green skin; flesh is bright crimson and deliciously sweet. We offer only a select stock of this famous Melon. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.**

Georgia Rattlesnake. One of the largest varieties, and stands shipping long distances. Fruits of good size, oblong in form, distinctly striped and mottled; flesh bright scarlet and of excellent quality.
Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.

McIver's Wonderful Sugar. This celebrated melon is claimed by many to be the sweetest of all varieties. Crisp, free from any strings. Solid meat.
Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c.

Irish Gray. A comparatively new variety that is becoming very popular as a shipping sort. Fruits long oval in shape and of light yellowish grey color. The rind is exceptionally hard and firm. The flesh is bright red, sweet, firm but free from any hard centers or stringiness. A very desirable variety for those who prefer a long, light colored shipping melon.
Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

Citron. The fruits are medium sized, uniformly round and are used exclusively for preserves or pickles. The color is dark green, distinctly striped and marbled with light green. The flesh is white and solid, but is not at all suitable for eating raw. Seed red.
Pkt., 5c; oz., 10c; ¼ lb., 25c.



Irish Gray

MUSTARD

(One ounce will sow 40 feet of drill.)

MUSTARD is not only used as a condiment but the green leaves are used as a salad or cut and boiled like spinach. Sow as early in the spring as the ground will permit, in drills about eighteen inches apart, covering one-half inch deep. For succession, sow every few weeks till autumn. Water freely. In the south the seed may be sown in autumn and the plants used early in the spring as a salad and for greens.

Fordhook Curled. When cooked like spinach the broad leaves of this variety are delicious. They are often more than a foot in length and crimped. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., $3.00.**

Southern Giant Curled. The leaves are large, light green with tinge of yellow, much crimped and frilled at edges. The plant is upright or slightly spreading in growth. This variety is highly esteemed in the south for the market as well as the home garden on account of its vigorous growth, hardiness and good quality. Seed small, reddish brown to nearly black. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., $3.00.**

White or Yellow. The leaves are comparatively small and smooth deeply cut or divided and of medium dark green color. Seeds are used for pickling. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

OKRA OR GUMBO

THE young seed pods are used in soups, stews, catsups, etc. Highly esteemed in the south. After danger of frost is past, the ground being warm and in good condition, plant in rows about two and one-half feet apart, covering with about an inch of fine soil firmly pressed down. When about three inches high, thin to about one foot apart in the row.

Perkins Mammoth Long Pod. In productiveness this Okra is simply wonderful. Pods of an intense green color. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c**

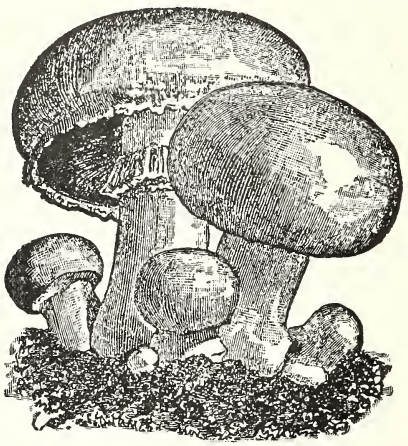
Early Dwarf Green. An extra early maturing variety. Very productive. Plants are more dwarf in habit of growth than those of other varieties. Pods short, deep green. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

White Velvet. The plants are about three and one-half feet high, early maturing and very productive. The pods are white, long, smooth and are tender until nearly full sized. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

MUSHROOM

Mushroom Culture Leaflet Mailed Free.

Ask for it when you order your Spawn.



WE ALWAYS have a fine, fresh supply of "Pure Culture" Spawn on hand, and you can depend on getting the kind of spawn that will produce large mushrooms. This spawn comes in bricks weighing about 18 to 20 ounces. A brick is sufficient to spawn ten square feet of bed. Be sure to mention the cultural leaflet when you order your spawn. **Per brick, 25c; 5 bricks, $1.00.** If wanted by parcel post add 5 cents a brick for postage.

Mushroom Culture. By Robinson. The best English book, cloth bound. **$1.00 postpaid.**

Mushrooms. By W. Falconer. The best American book, cloth bound. **$1.50 postpaid.**

Dwarf Green Okra

ONION

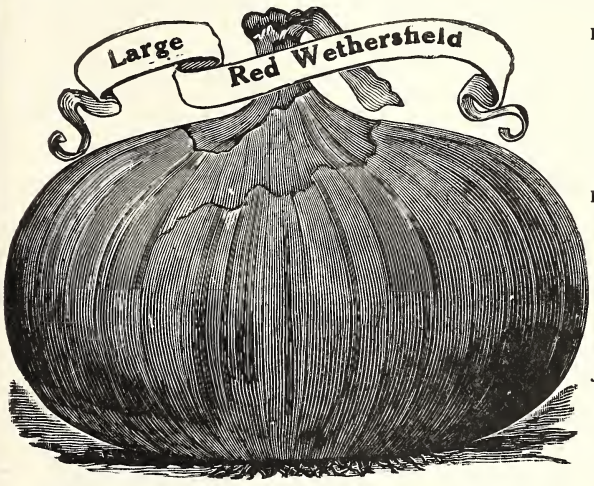
An ounce will sow 100 feet of drill. Four to five pounds to the acre for Large Onions.

THE Onion is one of the most extensively used of all vegetables. It not only contains considerable nutriment and has valuable medicinal properties, but is most useful in counteracting the bad effects of sedentary life. The disagreeable odor it imparts to the breath may be avoided in a great measure by thorough cooking, or by eating a few leaves of parsley.

In onion culture, through preparation of the ground, careful sowing and the best of after culture, though essential for a full yield, will avail nothing unless seed of the best quality be used. Experience enables us to produce onion seed that is unsurpassed. The seed we offer is the best obtainable.

Although onions are often raised from sets and from division, by far the best and cheapest mode of production is from seed. The facility with which seed is sown and the superior bulbs it produces, recommend it for general use.

As early in spring as ground can be worked, sow in rich soil, thoroughly pulverized and leveled, in rows twelve to fifteen inches apart, covering one-half inch deep. When the plants are well up, cultivate and keep free from weeds. The young plants may be thinned about one inch apart in the row. When grown for bunching, the rows can be made as close as ten inches.



Large Red Globe. This most excellent main crop Onion produces medium to large sized perfect globe-shaped bulbs with small neck, smooth and glossy, and of deep purplish red color, even darker than Large Red Wethersfield and without as much of the purple shade in the color. Flesh is white, tinged with light purple. One of the best keepers.
Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.00.

Large Red Wethersfield. The bulbs are large and are flattened, yet quite thick. The skin is deep purplish red. The flesh is light purplish white, moderately fine grained, rather strong but of pleasant flavor. The variety is very productive, one of the best keepers and very popular for general cultivation. This medium early or main crop variety does best on rich, moderately dry soil but on low muck land it is more apt to form large necks.
Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., $1.75

Japanese, or Ebenezer. A very fine round, yelllow onion that will keep all winter and is of mild, pleasant flavor. The seed is used principally for raising sets, which when set out the following spring produce large, handsome, ripe onions in July.
Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.25.

Giant Yellow Prize Taker. A very handsome late or main crop Onion of the largest size and nearly globular in form, sloping slightly at the shoulder and base. Skin is yellowish brown. Flesh is creamy white, very mild, and of fine flavor.
Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., $1.75.

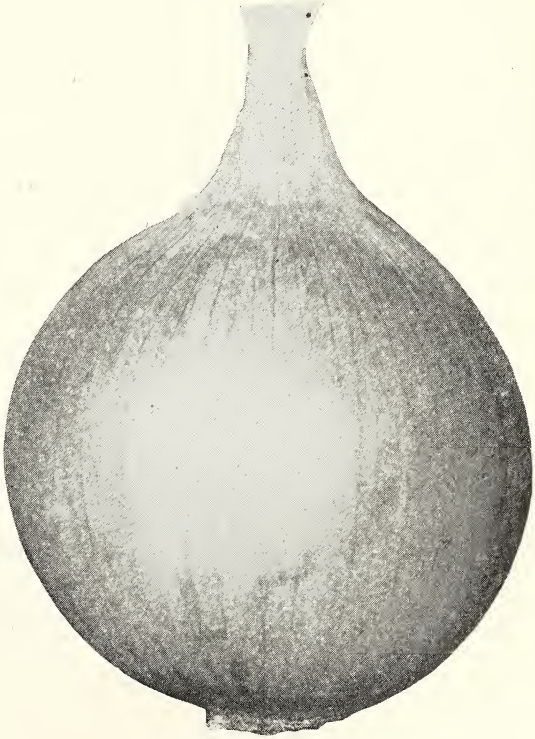
White Globe. A most desirable medium early or main crop variety for the home garden. It is sometimes called Southport White Globe. The variety yields abundantly producing medium to large, handsome and finely shaped clear white bulbs. The flesh is firm, fine grained, quite mild in flavor and is more attractive than the colored sorts, when cooked. The bulbs are globe-shaped, full at the shoulder, rounded at the base, keep well and are desirable for shipping.
Pkt., 10c; oz., 25c; ¼ lb., 85c; 1 lb., $2.75.

Mammoth Silver King. (White Granus). One of the greatest grandest and most delicious Onions ever offered. Grows very large, early; flat, but thick through; tender and of very mild, sweet flavor; uniform in size and shape.
Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.50.

Philadelphia Silverskin. This is a medium sized onion of mild flavor and with beautiful, clear white skin. The variety is a favorite with many for use when young as a salad or bunching onion and for pickles. It is an excellent medium early sort for gardeners who do not care to plant more than one variety. The bulbs are nearly round when of bunching size, somewhat flattened when mature. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.25.**

White Bunching. The earliest and best shaped Onion for early bunching; small bulbs, skin pearly white, flesh of good quality and flavor. Best when used as an early crop.
Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., $2.25.

ONION SETS (See Page 39)



Large White Globe

Curled Parsley

ONION SETS

(By Parcel Post, add 5c a quart postage. Prices subject to change.)

The advisability of planting onion sets is recognized everywhere and if you want fine young green onions in short time.

Yellow Onion Sets. These, like the white and red, are for early setting in Spring. Fine for raising early big onions. **Qt., 25c; gal., 90c.**

Red Onion Sets. Very widely used for setting in early Spring to produce green onions for the table, and also for large onions. **Qt., 25c; gal., 90c.**

White Onion Sets. For setting in early Spring to produce green onions for the table, and also for large onions. **Qt., 25c; gal., 90c.**

PARSLEY

One ounce will sow 150 feet of row; 3 pounds will sow an acre

This well known vegetable is very useful for flavoring soups and stews and for garnishing. The green leaves are used for flavoring or they may be dried crisp, rubbed to powder and kept in bottles until needed Parsley succeeds the best in rich, mellow soil. The seed is even slower than parsnip in germinating and should be sown down as early as possible in the spring, in drills one to two feet apart covering not more than one-half inch with fine soil firmly pressed down. When the plants are well up thin eight to twelve inches apart in the row. When the plants of the curled varieties are about three inches high cut off all the leaves; the plant will then start a new growth of leaves which will be brighter and better curled and later, if these turn dull or brown they can be cut in the same way; every cutting will result in improvement. Late in Autumn place frames over some of the plants to lengthen out the season for cutting.

Double Curled. This is a vigorous, compact growing variety, excellent for garnishing and flavoring, and a handsome decorative plant. The leaves are very finely cut and so closely crisped or curled as to resemble bunches of moss. Owing to its uniformly fine deep green color and very attractive foliage, this is one of the most popular sorts for both market and home garden. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

Hamburg, or Rooted. The root is the edible portion of this variety and resembles the round parsnip both in color and shape. The flesh is white, a little dry and in flavor is similar to celeriac. The foliage is practically the same as that of Plain Parsley. The roots can be dug late in the fall and stored in sand for winter use. They are extensively used for flavoring soups and stews. This variety is sometimes called Turnip Rooted. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

Plain. The leaves of this variety are flat, deeply cut but not curled. Very desirable for flavoring soups and stews and for drying. It is a favorite on account of its very dark green leaves as well as its hardiness of plant. The curled sorts are more extensively used for garnishing. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

PARSNIP

One ounce of seed for 200 ft. of row; 5 lbs required for an acre

The value of the Parsnip as a culinary vegetable is well known but it is not generally appreciated at its full value for stock feeding. On favorable soil it yields an immense crop of roots, more nutritious than turnips and very valuable for dairy stock. Parsnips are usually grown on deep, rich, sandy soil, but will make good roots on any soil which is deep, mellow and moderately rich. Fresh manure is apt to make the roots coarse and ill shaped. As the seed is sometimes slow and uneven in growth, it should be sown as early as possible in drills two and one-half feet apart; cover one-half inch deep and press the soil firmly over the seed. Give frequent cultivation and thin the plants to six inches apart in the row.

Hollow Crown. An excellent variety for the table. The roots are long with smooth white skin, uniform in shape, tender and of the best quality. The variety is easily distinguished by the leaves growing from the depression on top or crown of the root.
Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., $3.00.

PEANUTS

PLANTED in April, they ripen in summer, and planted as late as July 1st, they will mature full crops before frost. **Lb., 25c; 5 lbs., $1.00; add postage.**

GARDEN PEAS

One to Two pounds will plant 100 feet of row; 120 pounds will plant an acre
(Peas by Parcel Post, 1 lb. or over add Parcel Post at 1 lb. rate.)

For early peas the soil should be light and warm, but for general crop a moderately heavy soil is better. Fresh manure and very rich or wet mucky soil should be avoided, as they cause a rank growth of vine at the cost of the quality of the peas, furthermore such soil is often the cause of early sorts maturing unevenly.

Sow as early as possible a few of some early variety in warm, quick soil, prepared the fall before, planting in double rows six to eight inches apart and two and one-half to four feet between the double rows. The general crop can be delayed until later, but we have met with better success from sowing all the varieties comparatively early, depending for succession upon selecting sorts that follow each other in maturity. The peas will give quicker returns if covered only one inch deep and where earliness is most important they may be treated in that way.

The wrinkled varieties are more sensitive to cold wet weather than the smooth seeded sorts but are of superior quality. All varieties growing more than one and one-half feet do better if staked up or brushed when four to six inches high.

Smooth-Seeded Extra-Early Varieties

They can be sown in the spring, just as soon as the ground can be worked.

Alaska. A wonderfully productive small-podded and extremely early sort, grown on a very large scale throughout the United States for first crop. The vines ,of a peculiar, distinctive, light green tinge, are 2½ to 3 feet high. **Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., $2.00; 50 lbs., $8.00.**

St. L. S. Co.'s Extra Early. The vines are vigorous and hardy, of medium height, about two and one-half to three feet, bearing three to seven straight pods of good size, about two and one-half to ,wo and three-fourths inches long, each containing five to seven medium sized, smooth peas of fair quality. **Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., $2.00; 50 lbs., $8.00.**

EARLY VARIETIES (Wrinkled)

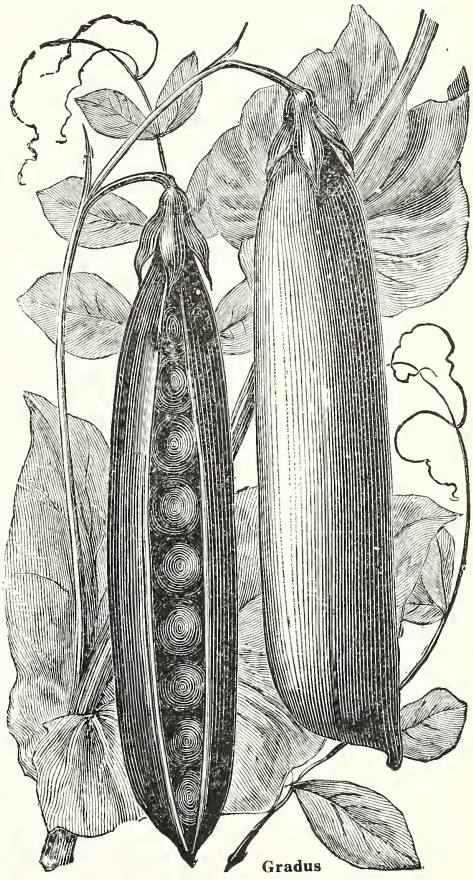
Daisy or Dwarf Telephone. One of the best medium early sorts; large pods, peas wrinkled and very sweet; height, 18 inches. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., $2.50.**

Gradus. A very early, wrinkled pea. The vines are similar in appearance to Telephone but of medium height, only about three and one-half feet. The pods are very large, four inches long, uniformly well shaped, pointed, handsome and more attractive than those of the first earlies. The peas are very large. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 1 lbs., $2.50; 50 lbs., $10.00**

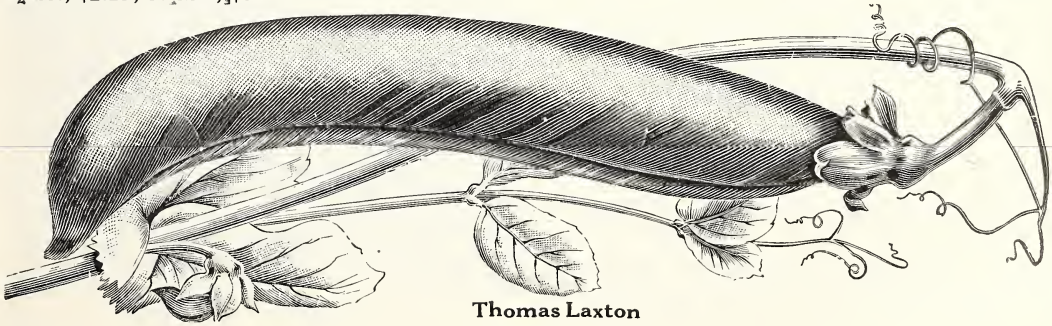
Lextonian. The dwarf 18-inch vines are very vigorous, sturdy and productive; foliage dark green; productive very dark green, large, full pods 4 inches long, curving very slightly to the point. The quality is unsurpassed and crop matures slightly earlier than Gradus. **Pkt. 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., $2.50; 50 lbs., $10.00.**

Thomas Laxton. An exceptionally good, first-early wrinkled marrow Pea of great merit. Vines resemble Gradus, growing from 2½ to 3 feet high, but are somewhat lighter in color and mature at the same time. **Pkt. 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., $2.50; 50 lbs., $10.00.**

American Wonder. The odl popular favorite among all who grow Peas. In our American Wonder you have all the finest qualities that could be desired, for the small, dwarf-like bushes are so heavily laden with beans of the finest quality. Bushes grow to height of about 15 inches and peas are of that well-liked dark green color. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., $2.25; 50 lbs., $8.00.**



Gradus



Thomas Laxton

PEAS—LATER VARIETIES—Continued

Nott's Excelsior. The vines are larger ahd more productive than American Wonder. The pods are medium sized, about two and three-fourth inches long. The peas in sweetness and quality are unsurpassed Seed medium sized, wrinkled. green and somewhat flattened. **Pkt. 10c; ½ lb., 20c; 1 lb., 30c; 10 lbs., $2.25; 50 lbs., $9.00.**

Suttons Excelsior. Plants about 18 inches high. The excellent quality of the peas, large size of the pods, heavy yielding properties and hardiness have made it a great favorite among the gardeners. Peas are of dark green color, stout and heavy and contain from 7 to 9 Peas of the most exquisite quality. **Pkt. 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., $2. 50; 50 lbs., $10.00.**

Telegraph. This late Pea has a fine appearance, high quality and large-sized pod, vines are tall, vigorous, 4¼ feet high, with large, coarse, medium green leaves and produce an abundance of attractive dark green pods 4½ inches long, straight, broad and pointed, filled with 8 large light green Peas which are tender, sugary sweet, and of an excellent flavor. **Pkt. 10c; ½ lb., 20c; 1 lb., 35c; 10 lbs., $2.50; 50 lbs., $9.00.**

Nott's Excelsior Peas

PEAS, EDIBLE POD

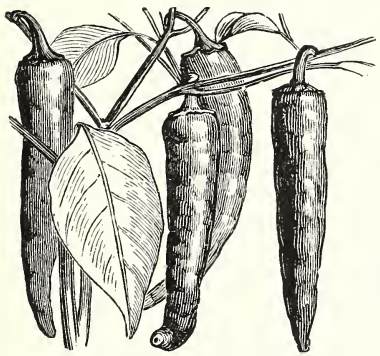
Edible Pod Tall Melting Sugar. A foreign pea, little known in this country. A wonderful productive sort. **Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 10 lbs., $2.50.**

Edible Pod Dwarf Grey Sugar. Of a dwarf growth, a fine edible pod when young. **Pkt., 10c; ¼ lb., 25c; 1 lb., 40c; 10 lbs., $2.50.**

PEPPER

One ounce will produce about 2,000 plants.

CULTURE—Sow in hotbed in March or April; transplant in open ground when all danger from frost is over, in rows three feet apart and two feet apart in row. For prices on Pepper Plants see Page 33.



Pepper, Red Cayenne

Chinese Giant. The compact plants are very prolific, setting 3 to 4 extra large fruits at the base quite early in the season. The fruit is quite square in appearance, while the flesh is thick and very mild. **Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., $1.90.**

Ruby King. One of the standard Peppers, very large and of mild flavor. Bright ruby red color. **Pkt., 10c; ½ oz., 25c; 1 oz., 40c; ¼ lb., $1.50.**

Sweet Mountain. Large in size and milder in flavor than Bell or Bull Nose. Very productive. **Pkt., 10c; ½ oz., 25c; 1 oz., 40c; ¼ lb., $1.50.**

Long Red Cayenne. Of dwarf growth, bearing long, pungent pods. Very productive. An ideal home variety. **Pkt., 10c; ½ oz., 25c; 1 oz., 40c; ¼ lb., $1.50.**

Red Chili. Smaller and later than Cayenne. Extensively used for pepper sauce. **Pkt., 10c; ½ oz., 30c; 1 oz., 50c.**

Red Cherry. The finest of the small round varieties. Excellent for pickling, sauce, etc. **Pkt., 10c; ½ oz., 30c; 1 oz., 50c.**

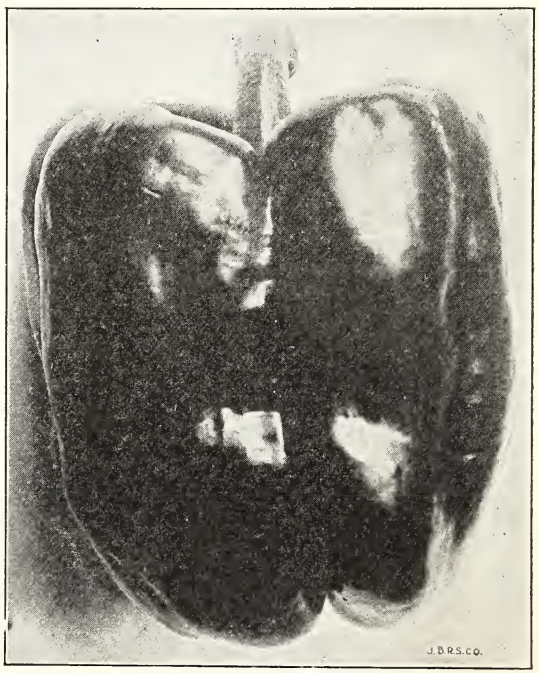
Tabasco. This variety is used in manufacturing the well-known Tabasco Sauce. **Pkt., 10c; ½ oz., 30c; 1 oz., 50c.**

Pimento. This very popular variety used extensively by the Spanish people in thier Pimento salads. It is a thick-meated variety of mild flavor. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.50.**

Bell or Bull Nose. Early and of mild flavor. A favorite for pickling. Large bright red, thick flesh. **Pkt., 10c; ½ oz., 25c; 1 oz., 40c; ¼ lb., $1.50.**

Crimson King. The fruit is not quite as large as Chinese Giant; in shape not quite so blocky. In flavor it is the mildest we have ever known, as the flesh may be eaten raw from the hand.

Pkt., 10c; ½ oz., 35c; 1 oz., 60c; ¼ lb., $2.25.



Crimson King Pepper

NORTHERN GROWN SEED POTATOES

Prices are Subject to Change on all Potatoes

CULTURE—Any good, well drained, fibrous loam will produce Potatoes under right climatic conditions. For early Potatoes which mature in eight to ten weeks from planting, the soil must be particularly rich. A rich clover sod, manured and broken the year before and planted to corn, beans, peas, etc., is in best shape for giving a good yield of nice clean Potatoes. Stable manure had better be applied to the land the year before, while some good complete fertilizer, at the rate of up to 1,000 pounds per acre if applied broadcast, or 400 to 600 pounds if applied mostly in the rows, may be used directly for the Potato crop. Open furrows three to four inches deep. Then plant good sized pieces, each containing no less than two or three eyes, fifteen inches apart in the furrows for early Potatoes, and eighteen inches apart for late ones. In some of the large Potato sections the Potatoes are always planted in check rows three feet apart each way. Cover with small plow or other suitable tool. Cultivate often. Spray with arsenate of lead mixture as a protection from flea beetle, potato beetle and blight. **8 to 10 bushels will plant an acre.**

Bliss Red Triumph. Extremely prolific and a full week in advance of Early Rose. Color, a beautiful light red. Size medium. Growth very uniform. Shape, nearly round. The flesh is white; very mealy when cooked. This potato is in exceedingly high favor with Southern market gardeners and truckers and is shipped to the Northern markets.

10 lbs., 75c; 30 lbs., $1.25; 60 lbs., $2.25

Early Ohio. In the Red River Valley. Much need not be said of this great potato. Among the standard early varieties it undoubtedly stands at the head of the list. An excellent keeper for such an early variety.

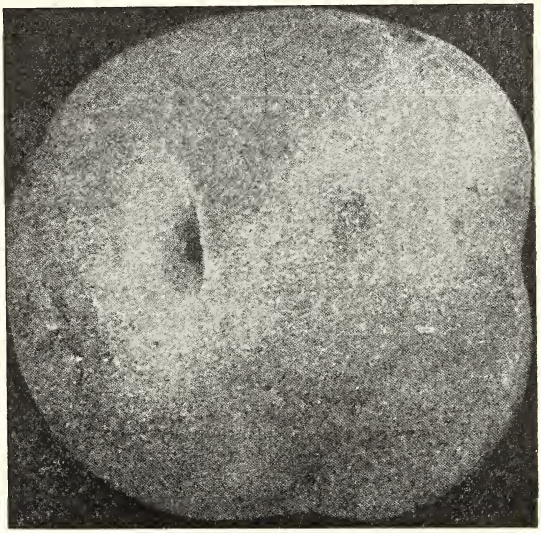
10 lbs., 75c; 30 lbs., $1.25; 60 lbs., $2.00.

Irish Cobbler. This has become one of the general favorites in all localities for early as well as late planting. When it was first sent out it was not claimed to be particularly early, but extensive growing in this locality proves that it is fully as early as the Early Rose. The tubers are round in shape, eyes somewhat deep, and tubers of both fine appearance and quality.

10 lbs., 75c; 30 lbs., $1.25; 60 lbs., $2.25.

Rural New Yorker. It is very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent; season intermediate. Tubers of great uniformity in size; almost every one marketable. Known everywhere as "Dusty" Rural.

10 lbs., 65c; 30 lbs., $1.25; 60 lbs., $2.00.



DUPONT SEMESAN BEL POTATO DISINFECTANT

Effective control, either as a dust or liquid, of surface seed-borne scab and Rhizoctonia.

Dust Method of Application

Each sixty pounds of whole pieces should be treated with two ounces of Semesan Bel dust.

Place the seed pieces and required quantity of Semesan Bel in the dusting container and, after tightly closing the lid or opening gently shake or rotate it for two minutes or until all seeds are thoroughly coated.

The Du Pont Semesan Seed Disinfectant

Semesan Promotes Better Sprouting and Stands

Semesan Bel Doubled Yield and Improved Quality

These potatoes were grown from an equal number of seed pieces. The SEMESAN BEL treatment more than doubled the yield and increased the proportion of No. 1 potatoes to 77%, reduced the No. 2 Grade to 18.5% and No. 3's to 4.5%.

Prices for Semesan Bel

8 ounces	$ .50
1 pound	1.75
5 pounds	8.00
25 pounds	31.25

Dip Method—Into one gallon of water which should be vigorously stirred, pour slowly one pound of Semesan Bel, making a thin paste similar to whitewash.

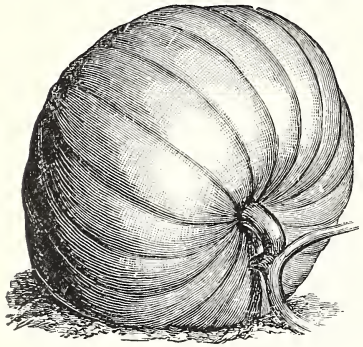
Then pour in another tub, barrel or vat of about 40 gallons of water in which to treat the seed pieces.

Then place potatoes in a wire basket (one can easily be made from one inch mesh chicken wire) or any similar open side container and simply dip it with its load of seed into the Semesan Bel mixture until all seeds are completely covered. Then remove immediately, allowing the excess liquor to drain back into the treating tub. The seed pieces may be planted right after this treatment or else dried for future planting.

Ask for Semesan Bel Potato Booklet. Here is what the potato growers say about Semesan Bel:

"Our Semesan Bel-dipped seed were entirely free from scab, were earlier and made a better yield than the undipped."

HARRISON & MITCHELL, Aleyton, Texas.



PUMPKIN

One ounce will plant about 25 hills; 4 lbs. will plant an acre.

(By Parcel Post, 1 lb., or over add Postage)

PUMPKINS are less sensitive than melons or cucumbers to unfavorable conditions of soil and climate but are cultivated the same, though on a larger scale. They are raised between hills of corn or in fields by themselves, but more properly belong to the farm than the garden as they readily mix with and injure the quality of the finer squash. After danger of frost is over plant the seed in hills eight to ten feet apart each way, dropping about a dozen seeds in a hill. If planted with corn two or three seeds 15 feet apart each way will be sufficient. The pumpkins should be gathered from the vine with the stem attached. They should be kept in a warm, dry, well-ventilated place.

Japanese Pie. A crookneck variety. Similar in size and form to the well-known Cushaw, but the skin is a deep green with dark stripes, turning to a rich golden yellow. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.**

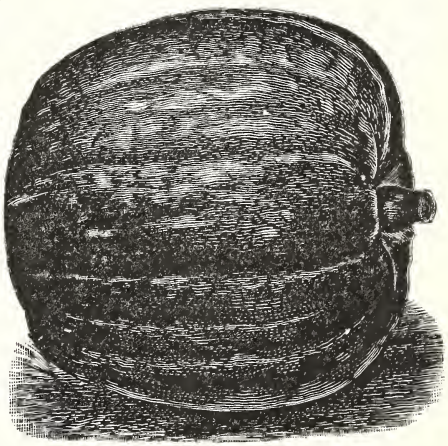
Kentucky Field. A large, round, slightly ribbed, soft shell, salmon-colored pumpkin that is very productive and excellent for stock. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 50c.**

Large Cheese. A very productive, large, orange-colored field Pumpkin; a little deeper than round and slightly flattened. Extensively grown between corn for ssck-feeding; it also makes good pies. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 50c.**

Mammoth King or Potiron. The best large pumpkin in use. Forms immense globular shape, flattened a little at the end. Skin reddish yellow in color and flesh rich orange. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.**

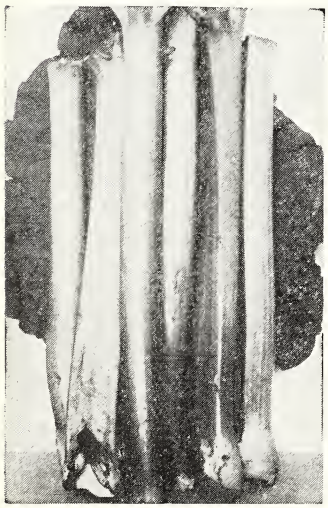
Small Sugar. This variety is small, but of most excellent quality for pies. The fruits are deep orange, eight to ten inches in diameter, round or somewhat flattened and slightly ribbed. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

Tennesse Sweet Potato. A good variety for making pies and other cooking purposes. It is medium size, of a white creamy color. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 75c.**



RHUBARB

(Rharbarber)



RHUBARB (Pie Plant)

One ounce will sow 125 feet of row

Rhubarb, also known as Pie Plant, is the earliest spring vegetable and is grown for its leaf stalks which are extensively used for pies and sauce.

Rhubarb succeeds best in deep, somewhat retentive soil and the richer this is and the deeper it is stirred, the better. Sow in drills an inch deep and thin out the plants to six inches apart. In the fall transplant into very highly manured and deeply stirred soil, setting them 4 to 6 feet apart each way and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year. When a blossom stalk appears, it should be cut back well into the ground and the plant never allowed to exhaust itself by running to seed.

Early Linnaeus. The earliest and tenderest variety, fine for sauce, pies, etc. Grown largely by gardeners for early market. **Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.**

Myatt's Victoria. Later than Linnaeus, but mammoth in size; also of a finer quality. Very juicy, tender and almost stringless. **Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., $1.50.**

RHUBARB ROOTS

Strong roots, two years old, which, if planted in good soil early in the spring, will make a strong growth and yield stalks for market the following spring. The plants increase in size every year and will with proper care last for many years. Thick luscious stalks shaded bright crimson. **Selected Roots. 20c each; $2.00 per dozen. By Parcel Post, add Postage. 10c each; 25c Dozen for Postage.**

RADISHES

One ounce will sow 100 feet of row; 8 pounds will sow an acre in drills; 12 pounds broadcast.
(By Parcel Post, add Postage at Lb. Rate)
If in the market for large quantities, please write for special price.

CULTURE—Sow seed as early in Spring as ground can be well cultivated, in drills 10 to 12 inches apart; thin out to 1 inch apart for small, 2 to 4 inches for large varieties. Soil should be rich, light and well pulverized. Continue sowing every week or ten days for continuous crop. Quick growth insures good quality; they mature in from 18 days to 4 or 5 weeks, according to variety, winter varieties should not be sown until August.

Early Scarlet Turnip White Tip. A very handsome and attractive radish of a rich, carmine scarlet color and tipped white. It is invaluable for forcing or for open air growing and always a big demand for this fine variety. Its flavor is excellent and its qualities have made it stand out above the ordinary varieties for market growing. **Pkt., 5c; oz., 15c; ¼ lb., 25c; 1 lb., 75c; 5 lbs., $3.50.**

Fire Ball. It is a "Fire Ball" both in growth and appearance and radishes in 21 days from the time of planting is the unrivaled record held by this fine strain. Rich, crisp, brittle flavor. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.**

Early Scarlet Globe. The interior of the root is pure white, mild, crisp and fine grained. Its season is rather short, and it must be pulled reasonably soon maturity. Recommended for the market garden or for green house forcing. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c; 5 lbs., $4.00.**

Early scarlet Turnip. The fzmous small round red, crisp, tender solid and brittle. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1lb., 75c.**

Early Scarlet Turnip White Tip

Philadelphia White Box. This famous white turnip-shaped or globe-shaped radish is the foremost of its class. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1lb., 90c. 5 lbs., $4.00.**

St. L. S. Co.'s Crimson Giant. It is round, bright crimson, attaining a maximum size before becoming pithy, of one and three-quarter inches long by one and one-quarter inches in diameter. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1lb., 90c; 5 lbs., $4.00.**

Yellow Oval Shaped. A fine summer turnip-shaped variety; yellow in color, but white meat and tender. **Pkt. 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c.**

Long White Strassburg

White Strassburg. Even when comparatively small this variety is in good condition for use and continues crisp until matured. The roots are rather thick at the shoulder and are usually somewhat tapering. This is one of the best large, white later summer sorts. **Pkt., 5c; oz., 15c; ¼ lb., 30c; 1lb., 75c; 5 lbs., $3.50.**

French Breakfast. Too well known to need any introduction. Scarlet with white tips. **Pkt., 5c; ox., 15c; ¼ lb., 30c; 1 lb., 75c.**

Wood's Early Frame. In shape half long; much used for forcing. **Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c.**

Icile. Our strain of ICICLE is excellent as well as profitable and used for iether forcing or outdoor planting. A fine variety for market and private gardeners. **Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c.**

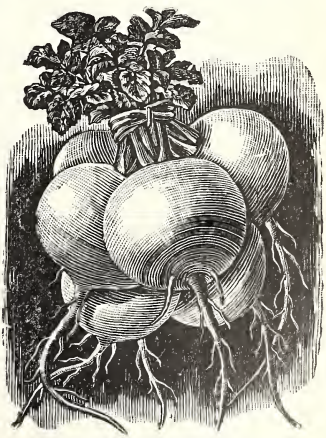
WINTER VARIETIES

Round Black Spanish. The roots are round, sometimes slightly top-shaped, three or four inches in diameter. The skin is almost black. The flesh is white, very compact. decidedly pungent, but well flavored. The variety keeps well through the winter. **Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c.**

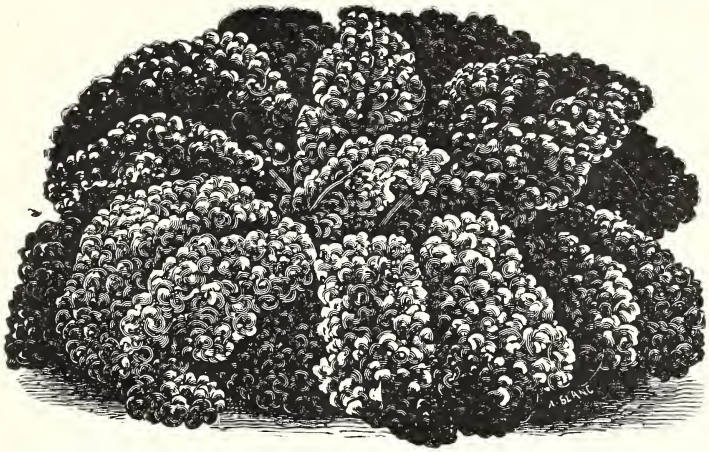
Long Black Spanish. One of the best for winter use. **Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c.**

White Spanish. Very solid and tender. The best white radish for late fall planting; largely used by our market gardeners. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.**

Rose Colored China. Root long, of a fine scarlet color. Extremely solid and a most excellent keeping variety. **Pkt. 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c**



Radish White Box



SPINACH

(Spinach by Parcel Post, 1 lb., or over add Postage)

One ounce will sow 50 feet of drill. Twenty to twenty-five pounds will sow an acre.

If in the market for 50 or 100 lb. lots or over, please write for price.

No plant makes more palatable and nutritious greens than spinach when properly prepared. Seed should be planted in very rich ground, the richer the better. Sow in drills sixteen to twenty inches apart and thin to about six inches apart when the leaves are an inch wide. All should be cut before hot weather while young and tender. For early spring use sow early in autumn and protect the plants with a light covering of leaves or straw, or plant as soon as the land can be worked in the spring. Under favorable conditions the leaves may be large enough for eating in eight weeks.

Bloomsdale or Savoy. This is by far the most popular Spinach among the gardeners and is the best Spring and Fall Spinach. The plant is of upright growth, with thick, glossy dark green leaves of medium size, pointed but quite broad, and crumpled or blistered like those of Savoy cabbage. It is hardy and grows rapidly to a suitable size for use, but runs to seed quickly in warm weather. Seed round. This spinach is suitable for the home garden and is much used by southern truckers.
Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 10 lbs., $2.50.

Princess Juliana. This is a new type of "Long Season" Spinach. Early, with upright, medium green leaves. The best second-early; grows close to the ground; dark green crumpled leaves keep fresh looking and retain their crispness a long time after being cut; stands well.
Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c; 10 lbs., $3.00.

Long Standing Bloomsdale. An excellent second-early variety with small plants growing close to the ground, very dark green, thick, somewhat crumpled leave; almost as crumpled as the Savoy-leaved; and short, fleshy stems. Does not readily crush. Will keep in the field in condition for a remarkably long time.
Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c; 10 lbs., $2.50.

Giant Nobel. Withstands hot weather longer than other sorts; it thereby increases the length of the season a month. It does not wilt or run to seed so quickly as other sorts. Its habit of growth is prostrate, rather than upright; the leaves are thick warted, and fine and tender when cooked.
Pkt., 5c., oz., 10c; ¼ lb., 20c; 1 lb., 50c; 10 lbs., $2.50.

New Zealand. Spinach in type and that it thrives during hot weather and in any soil rich or poor. The tender shoots are of good quality and may be cut throughout the summer. The plant becomes very large and spreading. The leaves are comparatively small, broad and pointed. Plant three or four seeds in hills two feet apart each way. Germination of the seed can be hastened by soaking in warm water twenty-four hours.
Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

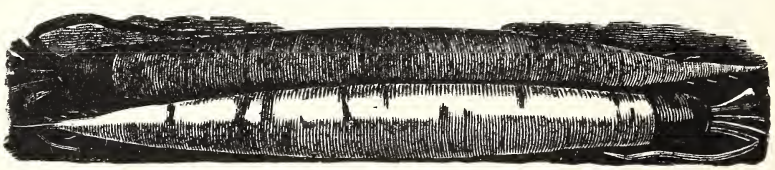
Spinach, Princess Juliana

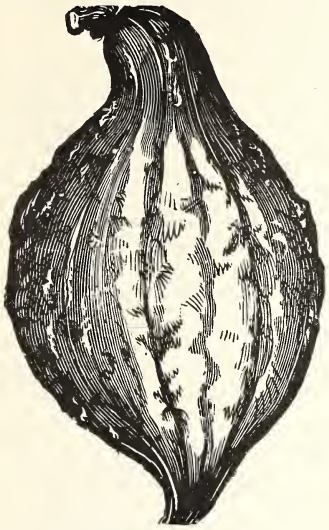
SALSIFY OR OYSTER PLANT

One ounce will sow 50 feet of drill

HOW TO GROW SALSIFY—Sow early in the spring in drills fifteen inches apart, one inch deep; thin to six inches in rows. Cultivate the same as carrots or parsnips. It is hardy; can remain in the ground all winter for early spring use, but should be taken up before starting growing; take up a supply for use during the winter. Succeeds best in a light, well-enriched, mellow soil. Used the same as carrots; or, after having been boiled it may be made into cakes and fried like oysters, which it resembles in flavor.

Mammoth Sandwich Island. The best variety. Grows to a large size and is very mild and delicately flavored. Grown extensively by gardeners and truckers everywhwere.
Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., $1.75, Postpaid.





Hubbard Squash

SQUASH

One ounce of the small seeded varieties will plant 20 hills; 2 to 3 pounds an acre.

A warm, light, rich soil is best. This may be enriched by mixing a shovelful of commercial fertilizer thoroughly with the soil in each hill. As Squash plants are very tender and sensitive to cold, plantings must not be made until settled warm weather, about May 15th. Summer varieties should be planted in hills 4 to 6 feet apart each way, winter varieties 8 to 10 feet apart each way.

Early White Scallop Bush. A beautiful white Squash of light cream color. large size flat. Elegant for home use. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.**

Mammoth White Scallop Bush. This handsome large white variety is about twice the size of the Early White Scallop Bush. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.**

Cocozelle Bush. A Summer Squash of compact bush form. The fruits are oblong, 12 inches or more in length and 4 to 5 inches in diameter. Skin dark green with stripes of a still darker shade. **Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., $1.25.**

Yellow Summer Crookneck. This famous variety is an ideal baking sort as well as being enormously productive. It is of a bush form. Small crooked neck, with warts. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.**

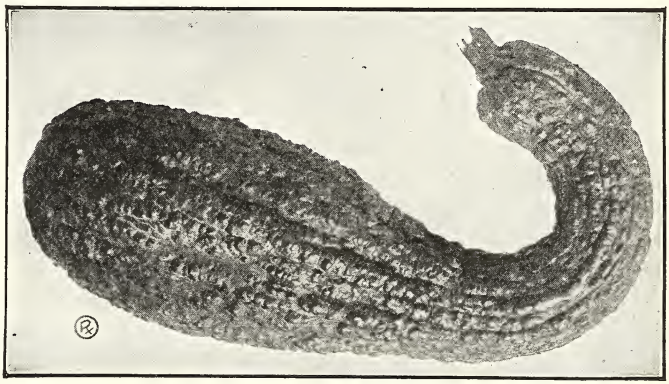
Hubbard. Time-tried and worthy of the consideration of all and should be planted by everyone who relishes Squash. Flesh is of a dark yellow color, fine grained. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., $1.00.**

Improved Striped Cushaw. It is of a beautiful variegated coloring, producing stripes of a mottled effect. **Pkt., 10c; oz., 15c; ¼ lb., 35; lb., $1.00.**

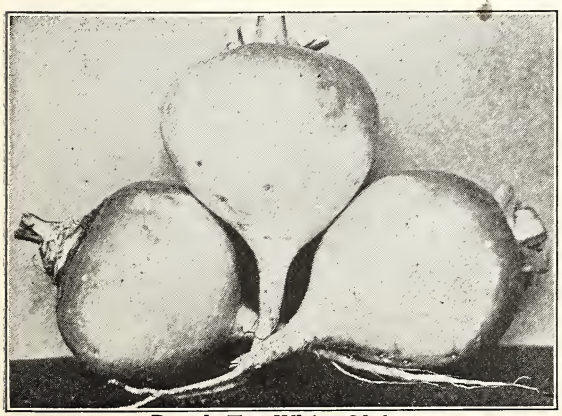
TURNIP

One ounce will sow 200 feet of drill one to two pounds for an acre

CULTURE— For early sow seed of flat varieties in open ground in spring in drills one foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession sow every two weeks until June. For Fall and winter sow in July and August. A good crop may often be grown by scattering seed thinly in the cornfield at last cultivation. For Rutabagas sow seed in seed bed in Spring and transplant to good warm soil, in rows at least 2 feet apart and 8 or 10 inches apart in the rows, or sow in open ground during June and early July. Take up roots just before winter, top and store in cool cellar, or pit outdoors.



Extra Early Purple Top Milan. Fully a week earlier than any variety. Flat and smooth; of medium size. Pure white flesh of choice quality. A good keeper. Fine table variety to grow either Spring or Fall. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., 90c.**



Purple Top White Globe

Purple Top White Globe. This excellent table variety is globular in shape, of good size and very attractive appearance. The roots are large, purple or dark red above ground, white below. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 5 lbs., $2.50.**

Purple Top Flat Strap Leaf. A very early strap-leaved variety very extensively used for the table. The leaves are few, entire, upright in growth. The roots are flat, of medium size, purple or dark red above ground, white below. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.**

White Globe. The King of all mammoth white Turnips. Immense white, globe-shaped roots. Considering the size it matures early. A very good autumn variety. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

Yellow or Amber Globe. Is the staple yellow Turnip both for table and for feeding stock. Heavy cropper and keeps well. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

Seven Top. Grown only for the tops, which are used for greens or salads in the South. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

American Yellow Purple Top. The most satisfactory variety of Rutabaga to grow for either family use or stock feeding. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.**

TOMATO (Price Postpaid)

One ounce will produce about 1,000 plants.

CULTURE—The seed should be sown in a hotbed about the first week in March, in drills 5 inches apart and half an inch deep. When the plants are about 2 inches high, they should be transplanted into another hotbed and planted four inches apart, or planted in 4-inch pots, allowing a single plant to a pot. About the 15th of May the plants may be set out in the open ground three feet apart. Water freely at the time of transplanting. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower-pot, and placing it in a sunny window of the room or kitchen. The fruit is greatly improved in quality if the vines are tied to a trellis or to stalks.

EARLY SORTS

Carters Sunrise. A medium-sized, round red sort, very smooth and highly colored. Used almost exclusively for forcing. Specially selected.
Pkt., 10c; ½ oz., 35c; oz., 65c.

Bonny Best. This variety is a favorite for forcing; just the size wanted (round) color rich scarlet red, very smooth, fruit set in bunches and in great abundance. Everything is in its favor for a forcing Tomato.
Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50.

John Baer. A fine extra-early round bright red, free from core, very few seeds, with a mild, sweet flavor, and ripening up to the stem. Vigorous and productive. Fine shipper. **Pkt., 10c; ½ oz., 25c; oz., 40c.**

Early Detroit. The largest and best of the early purplish pink Tomatoes. Vine vigorous and very productive. Fruits very smooth, uniform in size, nearly globe-shaped; firm, and excellent quality.
Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; 1 lb., $4.50.

Earliana, (The Earliest Red Tomato). The plants are of compact growth, with short, close-jointed branches, setting the fruit very freely in the center. The Tomato is of uniform size, averaging three inches in diameter. and from 2 to 2½ inches in depth. Solid. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25.**

SECOND EARLY OR MAIN CROP

Gulf State Market. The best of the early, purple fruited varieties. In season with Early Detroit, while fruit is larger, smoother, more globe-shaped; very solid, productive and free from cracking.
Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50.

St. L. S. Co.'s Improved Excelsior. Is of a dark, glossy, purplish red, very large and very solid. The plants make a very strong growth, are hardy and bear most plentifully. This fruit is produced in clusters of four to six large and of perfect shape and retain this size until late in the season. We have a very carefully selected stock of this universal favorite,
Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; 1 lb., $4.50.

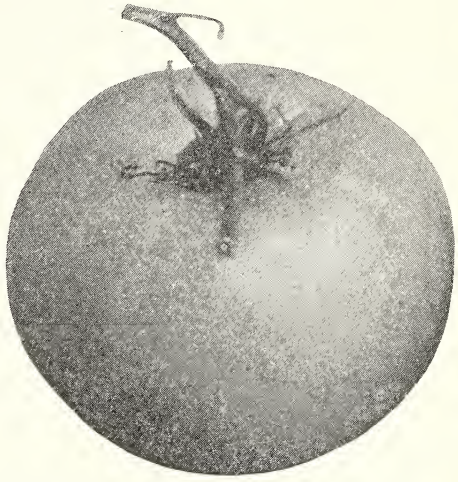
Livingston Globe. A large purplish, pink, globe-shaped or very nearly round tomato of excellent quality. It is extensively used for shipping. The vines are very vigorous and productive. The fruits are rather uneven in size but are very smooth and mature a little earlier than most mid-season or main crop varieties.
Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; 1 lb., $4.50.

St. L. S. Co.'s Improved Excelsior

TOMATOES—Continued (Prices Postpaid)

Marglobe. This Great New Tomato introduced by the U. S. Dept. of Agriculture through the Bureau of Plant Industry. Never before has a hybrid of such great promise been brought to our notice. Its fine appearance, great productiveness, deep globe shape and superb table qualities is giving it first place wherever known. Its spreading habits of growth enable it to bear large, perfect globe-shaped fruit in great abundance. In color it is a most beautiful scarlet, ripening well up to the stem. Its eating qualities, likewise, are very much superior to most of the common varieties. "The Marglobe" has proven resistant to the disease, and is being planted almost exclusively to all others.
Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; 1 lb., $4.50.

Mammoth Large Red. This famous variety is enormous both in size and yield, it being one of the largest smooth, round, red Tomatoes. Clear, bright red color. Flesh is thick and heavy.
Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50.

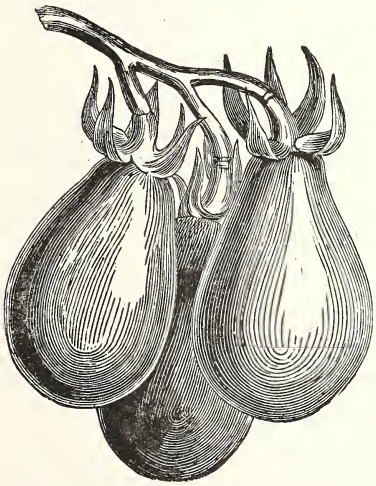


Marglobe

Ponderosa. A purplish pink. The vines are vigorous and very productive. The fruits are very solid, with exceptionally few seeds, fairly smooth and considered of very good quality, especially by those who prefer a tomato quite free from acid. It is very desirable for slicing. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.90.**

Stone. One of the largest and most solid, main crop or late bright red varieties. It is unsurpassed for slicing and canning. The fruits are bright deep scarlet, oval and very deep, exceptionally smooth and uniform in size. Our stock is distinctly superior to most of that offered under this name, being larger, smoother, more uniform and better colored. **Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; 1 lb., $3.50.**

Dwarf Champion. This is sometimes sold as the "Tree Tomato." Purplish pink variety, especially desirable where garden space is limited. The vines are about two feet high, vigorous upright and compact. The fruits are medium sized, exceptionally smooth and of very good quality. **Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00**



Golden Ball. A beautiful large, round, yellow sort. Very fine flavored. **Pkt., 10c; ½ oz., 25c; oz., 45c.**

SMALL FRUITED TOMATOES

Husk, or Ground Cherry. A favorite canning or preserving variety. **Pkt., 10c; ½ oz., 25c; oz., 45c.**

Peach. Size, shape and color of a peach. **Pkt., 10c; ½ oz., 25c; oz., 45c.**

Yellow Pear. Excellent for "putting up". **Pkt., 10c; ½ oz., 25c; oz., 45c.**

Yellow Plum. Popular, small yellow, for preserving. **Pkt., 10c; ½ oz., 25c; oz., 45c.**

Red Cherry. Fruits small, about five-eights of an inch in diameter, perfectly round and smooth. Fine for pickles and preserves. **Pkt., 10c; ½ oz., 25c; oz., 45c.**

Red Pear. Used for preserves and to make "Tomato Figs." Fruits bright red, distinctly pear shaped and of excellent flavor. **Pkt., 10c; ½ oz., 25c; oz., 45c.**

TOBACCO

Missouri Broad Leaf. A well-known standard sort; very large yielder, an ideal sort for home use. **Pkt., 10c; ½ oz., 25c.**

White Burley. The standard main crop variety which produces one of the most fashionable types for manufacturing and cutting. **Pkt., 10c; ½ oz., 25c.**

Havana. The leading smoking variety. Commands a high price for cigar stock. **Pkt., 10c; ½ oz., 25c.**

Mo. Broad Leaf

VEGETABLE PLANTS

FROST-PROOF PLANTS READY FEBRUARY TO APRIL

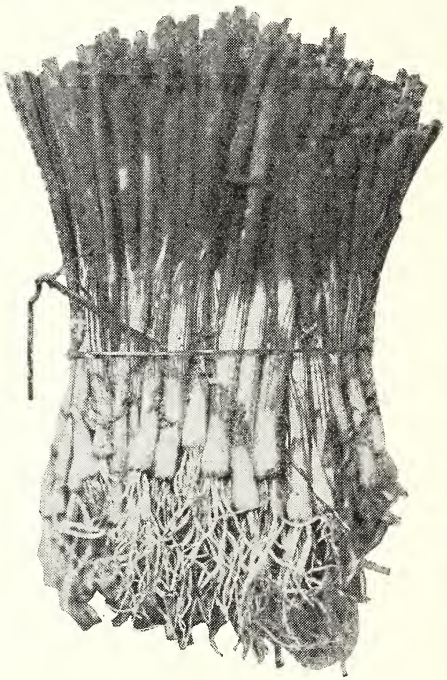
These Plants are Not Carried in Stock at Our Store, But Shipped Direct from Where They Are Grown in the Southern State. No Plants sent C. O. D.

ONION PLANTS

For those who desire an early crop, either for table use or for local marketing, these plants will prove most desirable, and the fact that they are inexpensive and call for the minimum of labor and trouble in producing the crop has created an ever increasing demand for them. They may be set out at the same time you would plant sets or cabbage plants. Plant in rows about 15 inches apart and 3 to 4 inches apart in row.

Crystal White Wax Bermuda. Unquestionably the most attractive onion. It is an absolutely pure white Bermuda Onion with a most beautiful waxy appearance that makes it sell on sight in all markets. No other onion has such clear white skin, such mildness of flavor. It is deliciously tender and can be eaten raw like an apple. **Price, 50c per 100; $1.75 for 500 or $2.50 per 1000, postpaid. By express charges collect per crate 6000 plants, $3.90.**

Yellow Bermuda. The most popular of all the Bermuda varieties. It is the standard variety with the large commercial Bermuda Onion growers. It is a light straw-colored onion. Our special stock ripens early, is of the best color and the heaviest yielder. **Price, 50c per 100; $1.75 for 500 or $2.50 per 1000, postpaid. By express charges collect per crate 6000 plants, $3.65.**



Onion Plants

FROST-PROOF CABBAGE PLANTS

The market gardener who grows cabbages for shipment or the market, must have extra early maturing crops if he wishes to obtain the highest prices. The home gardener who desires extra earliness and who wants to avoid the trouble of sowing cabbage seed and the necessary protection of early sown seed and plants, will find our frostproof plants to be a great convenience. These plants can then be set out anywhere, and although the top of the plant does not grow until Spring weather, the roots take hold immediately and develop even though they should be covered with snow. Later when the weather becomes favorable, they make an astonishing growth, due to their early start. You know what the difference in profits will be, if your crop is harvested three or four weeks earlier than from home grown plants. Our Cabbage Plants are grown from the best seed and in a section where they have low temperature in early spring, which makes them hardy and frost proof and they will usually live at any temperature exceeding 26 degrees above zero; however, frostproof does not mean freezeproof.

Orders for plants will be shipped in about four or five days after they are received if weather conditions permit. If plants do not arrive as soon as you expect them you may know that conditions beyond our control are causing the delay.

Frost-Proof Cabbage Plants. Shipped from Feb. 1st to May 1st. Selected plants. Golden acre, early Flat Dutch, Early Jersey Wakefield, Charleston Wakefield. By Parcel Post Prepaid **100 for 80c; 500 for $2.50** By express charges collect per crate, **3000 plants, $3.50**

SPECIAL NOTICE

The plants when received will be somewhat wilted and have a stunted appearance, which will be disappointing to persons who have never used these plants before. Regardless of appearance, they will produce results.

PLEASE NOTE: No other varieties supplied except as listed. We cannot sell any one variety of frostproof cabbage plants in less than lots of 100 or except in multiples of 100 no matter how large the order. This means we cannot accept any order for 25 or 50 of one variety and the balance of the 100 in another. Shipment is made when we consider planting conditions best suited to your district or at any time you may specify on your order. Plants are shipped between February 1st and May 1st. They are shipped direct from our growing station and are therefore not sent with seed orders.

VEGETABLE PLANTS

Plants sent by express, purchaser paying charges.

Please Note: All vegetable plants on this page are grown especially for us, and are in stock at our store and are strong, transplanted plants.

ASPARAGUS ROOTS

Extra-choice Two-year Roots.

	Doz.	4 Doz.	8 Doz.	1000
Washington, rust-proof	$0.25	$0.90	$1.75	$15.00
Palmetto	.25	.90	1.75	14.00

(By Parcel Post, add 5c Doz. Postage.)

RHUBARB ROOTS

When only a few plants are required, we would suggest the purchase of roots instead of seed. Transplant roots in Fall, or Spring, in highly manured soil, setting them 4 to 6 feet apart each way. Do not pull stalks until second year after transplanting roots.

	Each	Doz.
2-year-old	$0.20	$2.00

(By Parcel Post, add 5c ea. or 25c per doz.)

HORSERADISH SETS

Horseradish Roots. The soil should be very rich and well cultivated. **12 for 20c; 4 doz. for 60c; 100 for $1.25; 1000 for $9.00.**

(By Parcel Post, add 10c per 100 Postage)

SWEET POTATO PLANTS

	50	100	1000
Sweet Potatoes. Red, Yellow and White	$0.40	$0.70	$6.00

Ready May and June.

(By Parcel Post, add 15c per 100.)

Cabbage Plants. Plants should be set about 2½ to 3 feet apart each way. April and May delivery.

	25	50	100	1000
Wakefield	$0.25	$0.45	$0.75	$6.50
Copenhagen Market	.25	.45	.75	6.50
All Season	.25	.45	.75	6.50

(By Parcel Post, add 10c per 100 for Postage.)

Cauliflower Plants. April and May delivery. Plants should be set 2½ to 3 feet apart each way.

	Doz.	4 Doz.	8 Doz.
Cauliflower, Ea. Dwarf Erfurt	$0.15	$0.50	$1.00
	25	50	100
Kohl-Rabi	$0.25	$0.45	$0.75

(By Parcel Post, add 10c per 100.)

Tomato Plants. We make a specialty of growing tomato plants and can furnish the following varieties after May 10 in fine, strong, stocky plants, Ready May and June.

	Doz.	4 Doz.	8 Doz.
Tomatoes—Ponderosa	$0.20	$0.75	$1.25
Improved Excelsior	.20	.75	1.25
Dwarf Champion	.20	.75	1.25
Stone	.20	.75	1.25

(By Parcel Post, add 15c per 100 for Postage.)

Pepper. Ready for May and June.

	Doz.	4 Doz.	8 Doz.
Pepper—Bell or Bull Nose	$0.20	$0.75	$1.25
Chinese Giant	.20	.75	1.25
Red Cayenne	.20	.75	1.25

(By Parcel Post add 5c Doz. Postage.)

ONION SETS

(By Parcel Post, add 5c a quart postage. Prices subject to change.)

The advisability of planting onion sets is recognized everywhere and if you want fine young green onions in a short time.

White Onion Sets. Very widely used for setting in early spring to produce green onions for the table, and also for large onions. **Qt., 25c; gal., 90c; Bu. (32lbs.) $3.50.**

Yellow Onion Sets. These like the white and red, are for early setting in Spring Fine for raising early big onions. **Qt., 25c; gal., 90c; Bu. (32 lbs.), $3.00.**

Red Onion Sets. Very widely used for setting in early Spring to produce green onions for the table, and also for large onions. **Qt. 25c; gal., 90c; Bu. (32 lbs.) $3.00.**

STRAWBERRY PLANTS

(By Parcel Post, add 10c per 100 Postage.)

Strawberry plants are not in stock, but are sent direct to you from the nursery.

PLANTS READY MAY AND SEPTEMBER

Aroma. Fruit very large, roundish, conical, rarely misshapen, glossy red, of excellent quality. One of the very best varieties.

Excelsior. (Early.) Plant a vigorous grower, tough and hardy, and very productive. Fruit large, conical. Color dark glossy red; excellent flavor.

Klondyke. Of large and uniform size, fine form and color, great vigor of plant and productive.

Gandy, (Late). Very productive, fruit large and a good keeper All varieties. **25 for 35c; 100 for $1.00; 1000 for $8.50.**

Progressive. This is the most wonderful ever-bearing strawberry ever produced. A healthy and strong grower; very productive, from June until freezing weather; succeeds well anywhere. **25 for 75c; 100 for $1.50; 1000 for $12.00.**

FARM AND FIELD SEEDS

"PURE AND SURE SEEDS"—BIGGER AND BETTER CROPS

MOST important to all who depend for their living on the products of the soil is **Selected Seeds,** that not only will germinate and are reliable, but that will produce bumper crops, that will fill the granary with fine high-priced wheat, and the corn bin full of this great product. **"Pure and Sure"** Seeds are the kind that produce the crops that mean great big profits from a small outlay of money. You cannot afford to waste your time planting cheap seeds when you look for results from your plantings. It is poor economy to plant untested seeds when for a little more you can have seeds of the highest quality, and that is what you want. You can have confidence in the quality of our Pedigreed Seeds, for we have made a specialty of farm seeds and the value of the same cannot be exaggerated Let us know what you want in the line of field seeds, and we guarantee you quality that cannot be equaled for the price.

BU. 56-Lbs.

ST. LOUIS SEED COMPANY'S

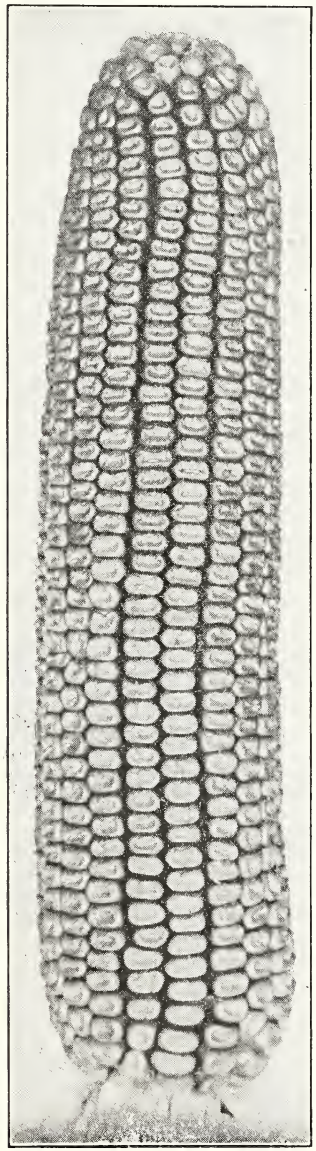
SELECTED SEED CORN

Extra charge for Bags; ½ bu. cotton, 10c; 1 bu. cotton, 20c; seamless bags, 35c.

BU. 56-Lbs.

GRADED SEED CORN

WE CAREFULLY grade all seed corn which we send out, removing the extreme tip and butt kernels so that it is readily planted with edge-dropping planters. But the grading is only a part of the labor which we give to the production of good seed corn. It is gathered early and stored in seed corn house, and only those absolutely true to type and of strong vitality are shelled for seed purposes.



Pride of the North

CHAMPION EARLY WHITE PEARL

(90 days)

This is the earliest snow white Dent corn. Grown extensively by gardeners for roasting ears. It is an immense yielding variety and very uniform in shape, size, etc., and therefore its great market demand. The ears grow very large—the cob small, two great factors of profit in corn. Our selected seed of this variety is without equal anywhere and the many good reports about this variety have far exceeded our expectations. You cannot buy better seed corn at such a low price. **5 lbs., 60c; 15lbs., $1.20; 25 lbs., $1.65; 56 lbs., (1 bu.), $3.25.**

PRIDE OF THE NORTH

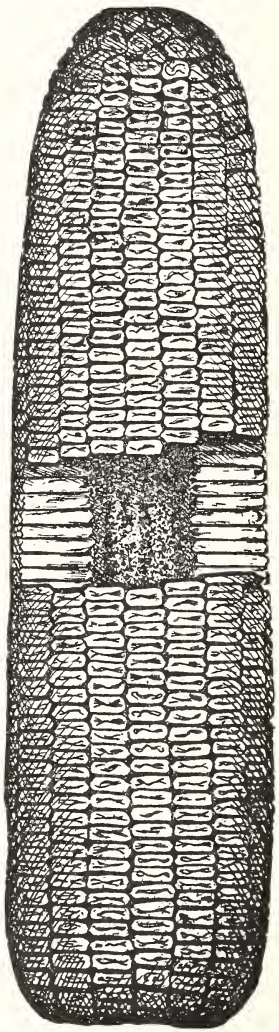
(90 days)

The great favorite of the extreme Northern States and a most useful variety where a late planting is necessary. The ears run from seven to nine inches long, with small cob and deep kernels; ears usually contain from fourteen to eighteen rows; will ripen and mature anywhere in ninety days; can be planted as late as June 25th and make itself by September 10th. Good soil is capable of growing four to six stalks to the hill; many stalks have two ears and usually produce from forty to fifty bushels of good sound corn per acre. **5 lbs., 60c; 15 lbs., $1.20; 25 lbs., $1.65; 56 lbs., (1 bu.), $3.25.**

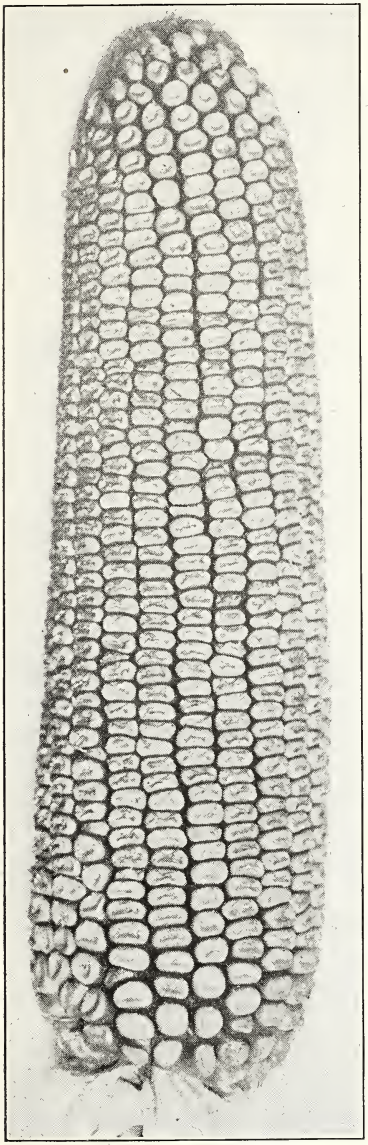
IOWA SILVER MINE

(Matures 100 days)

This is not a new variety, but is one of the best-known sorts, on account of its great popularity and wonderful record. It is noted for its great vitality to withstand and resist extreme conditions of weather, wet or dry; also hot weather, and makes good crops where other sorts wither, burn up and perish under hot winds and scorching sunshine. Each year we have grown this corn we have sought to select and improve it in every way possible, not so much to increase the size of the ears, but to increase uniformity of size and number of ears to the stalk. Stalks grow 8 to 10 feet in height and ears set well down toward the ground. **5 lbs., 60c; 15 lbs., $1.20; 25 lbs., $1.65; 56 lbs., (bu.), $3.25.**



Champion Early White Pearl.



ST. L. S. CO'S. WHITE STAR (Matures 110 days)

This wonderful white dent corn is known, grown and more extensively planted than any White Corn. It is adapted to a wide range of conditions, and is a corn of the North, South, East and West, and a variety that always, everywhere gladdens the hearts of the farmers and fills his cribs at harvest time.

Our seed of this variety is from selected ears. You cannot plant a better variety and you know that your order for this corn will be filled with the highest grade, selected seed corn. **5 lbs., 60c; 15 lbs., $1.20; 25 lbs., $1.65; 56 lbs., (bu.), $3.25.**

REID'S YELLOW DENT

The Most Popular Yellow Dent Corn in the Great Central Corn Belt. (Matures 110 days).

The **Reid's Yellow Dent Field Corn** has been bred up and selected with painstaking care to what is at the present time—one of the best varieties of yellow corn grown. Ear medium in size, remarkably uniform, and of a bright yellow color, with solid, deep grain and small red cob. Has from 18 to 24 rows of kernels on the cob, 50 to 60 grains in the row, and is well-filled over the ends, and especially the butt. **5 lbs., 60c; 15 lbs., $1.20; 25 lbs., $1.65; 56 lbs., (bu.), $3.25.**

GOLD BOND

If any seed grain can truly be called pedigreed, the Gold Bond Field Corn is certainly entitled to be known as such. It has been bred up and selected to one of the best varieties of yellow Corn grown. Far medium in size, remarkably uniform, and of a bright yellow color, with solid, deep grain and small red cob. Has from 18 to 24 rows of kernels on the cob, 50 to 60 grains in the row. You will be an enthusiastic booster of our **Gold Bond** once you have planted it. **5 lbs., 60c; 15 lbs., $1.35; 25 lbs., $2.00; 56 lbs., (bu.), $3.50.**

BOONE COUNTY WHITE (Matures 120 days)

Boone County White. Is a highly bred variety of white corn of extra large size, containing a high percentage of oil. It is late maturing, but with good long seasons and favorable conditions, it is a splendid yielder. In many places it is a great favorite. The ears are from 9 to 12 inches long, 7½ to 8½ inches in circumference, containing 18 to 24 rows. The cob is medium large and pure white in color. We supply only the very best quality seed, true to type in every way. **5 lbs., 60c; 15 lbs., $1.20; 25 lbs., $1.65; 56 lbs., (1 bu.), $3.00.**

ST. CHARLES WHITE, RED COB (Matures 120 days)

This excellent variety was introduced in St. Charles County, Missouri, and is very popular with a large number of our customers, especially in that vicinity, where plantings are made every year. It is a very handsome, pure variety of white corn, set on a red cob and the ears are usually 8 to 10 inches long, 16 to 18 rows of deep, broad kernels.

Our seed stock of this variety was grown from pure, genuine stock and can be relied upon to give the best possible results to be obtained from this variety. **5 lbs., 60c; 15 lbs., $1.20; 25 lbs., $1.65; 56 lbs., (1 bu), $3.00.**

POP CORN, See Page 17

DUPONT SEMESAN JR. CORN DISINFECTANT

Semesan Jr. should be applied **only as a dust disinfectant** at the rate of 3 ounces to each bushel of seed corn. A **level** tablespoonful of Semesan Jr. weighs about ⅓ of an ounce and will treat about 7 pounds of seeds. Do not try to dissolve Semesan Jr. in water and use it as a liquid disinfectant but always keep it thoroughly dry.

The seeds and Semesan Jr. should be placed in an old barrel butter churn, a discarded milk can or any other home-made dusting apparatus which **must** be absolutely dry. Tightly close the cover or lid of the duster and vigorously rotate or shake for 3 to 5 minutes or until all the seeds are thoroughly coated. A glass jar or tin can may be used for treating small quantities of seeds.

Untreated and Semesan Jr. Treated Seedlings

Prices for Semesan Jr.

4 ounce tins.....	$ .50
1 pound tins.....	1.75
5 pound tins.....	8.00
25 pound tins.....	31.25

LAWN GRASS SEEDS

By Parcel Post, 1 lb. or over, add Postage.
One lb. will sow 300 square feet. 50 to 75 lbs. to the acre.

We desire to call particular attention to the fact that Grass Seeds are sold to the trade by sample, and each sort is divided into three or four grades, according to purity, germination and weight. The price of the best grade is often double that of the ordinary. The Grass Seeds here offered by us are in every case the VERY HIGHEST GRADE.

THE essentials for a fine lawn are: First, a rich, well drained soil; second, careful preparation of the ground, making it as fine and smooth and mellow as possible; third, a wise selection of seeds; fourth, sowing at such a time as to give the young plants a chance to become well established before being subjected to very dry or cold weather or to the direct rays of the hot summer sun. However much care is bestowed on the soil and seed, no lawn will be beautiful without frequent mowing and rolling. Too much care cannot be bestowed upon the selection of grasses, as some varieties are the most luxuriant in spring, others in summer, others again in autumn and a combination of the proper sorts is required for a perfect, carpet-like lawn. It may be planted early in spring or fall and should be sown at the rate of sixty to one hundred pounds per acre. If sown in the spring, sow as early as possible.

OUR FAMOUS HAVALAWN MIXTURE See Page 1

Bermuda Grass. Used extensively in the South for lawns where other lawn grasses cannot be successfully grown. Sow seed in the Spring. **½ lb., 35c; 1 lb., 60c; 5 lbs., $2.50; 10 lbs., $4.50.**

Canadian Blue Grass. A hardy perennial with creeping root-stalks which form a strong turf. It withstands drought better than most cultivated grasses and is especially valuable in Lawn Grass mixtures. It succeeds best on clay soils. For hay or pasturage it is best sown with other grasses. Height six to twenty inches. **1 lb., 45c; 3 lbs., $1.25; 10 lbs., $4.00.**

Clover (White or Dutch). A low, close-growing clover; round, white heads, very fragrant. Very desirable for beautifying the lawn. It will stand close cutting and very rapidly throws up an abundance of leaves and blossoms. **½ lb., 40c; 1lb., 75c; 3 lbs., $2.15; 5 lbs., $3.50.**

Creeping Bent Grass (Agrostis stolonifera). This is particularly valuable for lawns that are to be used for croquet grounds or for tennis courts, because it is benefited more than hurt by tramping and by its bright color adds to the beauty of the lawn. **½ lb., 65c; 1 lb., $1.10; 5 lbs., $5.00.**

Kentucky Blue Grass (Poa pratensis). Fancy Clean. Kentucky Blue Grass is the most nutritious, hardy and valuable of all northern grasses. Sown with White Clover it forms a splendid lawn; for this purpose use not less than seventy-five pounds of Blue Grass and six pounds of White Clover per acre. **½ lb. 30c; 1 lb., 50c; 3 lbs., $1.45; 10 lbs., $4.50; 25 lbs., $10.50; 100 lbs., $38.00.**

Mixtures for Golf Links. While there are on the market numerous ready prepared golf mixtures of more or less value, we have found that the best results are obtained by giving individual attention to each customer and making a special mixture to suit his needs. Write us a description of your links, telling what the nature of the soil is, how drained, how much it has the sun, whether the winters are long or open and whether the summers are wet or dry and we will offer you two or more mixtures especially adapted to the various parts of your grounds. **1 lb., 60c; 10 lbs., $4.75; 100 lbs., $40.00.**

Perennial Rye Grass. A very valuable variety for permanent pasture. Succeeds well on almost any soil, but is particularly adapted to moderately moist or irrigated lands. Sow thirty to forty pounds per acre in spring. **1 lb., 25c; 3 lbs., 70c; 10 lbs., $2.00.**

Red or Creeping Fescue. A creeping rooted grass, resisting extreme drought, and especially adapted for forming a close and lasting turf in shady places. Valuable aslo for exposed hillsides, and golf courses. Sow 40 pounds per acre. **1 lb., 60c; 10 lbs., $5.50.**

St. L. S. Co.' Shady Lawn Mixture. This mixture is intended for all situations that are in partial or complete shade, and will be found invaluable on grounds lying under the shadows of trees or buildings. This mixture is a combination of fine dwarf-growing ever-green varieties of grass, which grow naturally in the woods or in shaded spots. Sow thickly. **½ lb., 30c; 1 lb., 55c; 3 lbs., $1.50; 10 lbs., $4.75.**

GRASS SEEDS

In 500-pound lots, write for prices.

Orchard Grass (Rough Cock's Foot). A rather coarse perennial grass that forms dense tufts. Flourishes best in the shade. **1 lb., 40c; 5 lbs., $1.50; 100 lbs., $20.00.**

Red Top. A very hardy perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to quite dry situations, and stands our hot climate admirably. Fancy or solid seed. **1 lb., 50c; 10 lbs., $4.00; 100 lbs., $23.00**

Sudan Grass. Is probably the wild original form of the cultivated sorghums. It is a tall annual grass, growing under favorable conditions to a height of 6 to 10 feet, but when broadcast thickly, it grows from 3 to 5 feet. The stems are fine. The grass cures easily, making hay of excellent quality, which is readily eaten by all kinds of livestock. It is considerably earlier than the earliest Amber Sorghum, and will probably mature as far north as the Canadian line. **1 lb., 20c; 10 lbs., $1.50; 25 lbs., $2.50; 100 lbs., $7.50.**

Timothy. (45 lbs. per bu.) The best of all grasses for hay. It should be cut when in blossom. in June or July. It is preferable to sow in the Fall, but we sell almost as much seed in the early Spring, and it is frequently sown then with equal success. **1 lb., 20c; 5 lbs., 85c; 25 lbs., $2.50; 100 lbs., $9.00.**

PASTURE MIXTURES

Pasture Mixture "A" (Good Moist Soils). Sow 25 pounds per acre. This is intended for the average soil. Use more seed where land is drier. If stock does not keep down to six or ten inches, use the mower to do so.. Do not pasture too closely. This is well suited for "patching" your present pasture by disking or harrowing in. **5 lbs., $2.00; 25 lbs., $7.50; 100 lbs., $24.00.**

Pasture Mixture "B" (Dry, Hilly Uplands). Sow fifteen to twenty pounds per acre. Recommended for rolling-ground, or where stones or sand in soil demand drought-resisting varieties. Plow or disk in where possible, and on unplowed, stumpy or stony ground brush thoroughly. **5 lbs., $2.00; 25 lbs., $7.50; 100 lbs., $24.00.**

CLOVER SEEDS

(Bu. 60 Lbs.)

(Field Seeds by Parcel Post, add Postage.)

Bags extra at cost. ½ bu. cotton, 20c; seamless, 35c each.

ALL PRICES ON FIELD SEEDS ARE SUBJECT TO MARKET CHANGES. ALL ORDERS FILLED TO THE AMOUNT OF REMITTANCE AT MARKET PRICES WHEN ORDER IS RECEIVED.

Crimson Clover

WHITE DUTCH CLOVER

A low, close growing Clover; round, white heads very fragrant. Very desirable for beautifying the lawn. **½ lb., 40c; lb., 75c; 3 lbs., $2.15.**

500 lb. lots, write for price.

CLOVER can be sown in the Spring, from February to April in this locality, varying earlier or later according to other latitudes. Excellent results can also be obtained from sowing it on late snows, as with the melting of these the seed soaks into the earth about the right distance. The Summer and early Fall sowing of clover is also giving most satisfactory results, and a full crop can be cut the succeeding year when this is done.

Alfalfa Clover (Fancy). The King of Forage Plants. Alfalfa is the cornerstone upon which is being built the prosperity of wide areas of our agricultural country—with its never-failing three and four crops of from five to six tons per acre. **1 lb., 50c; 5 lbs., $2.00; 25 lbs., $7.50; 100 lbs., $29.50.**

Alsike Clover. This is one of the hardiest varieties known. It is perennial and does not winterkill. It will do better on moist land than any other variety of Clover, and is suitable for either hay or pasture. **1 lb., 50c; 5 lbs., $2.25; 25 lbs., $9.75; 100 lbs., $37.00.**

Red Clover. This is regarded as the most valuable of the clover family. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed. Our strictly "Fancy Recleaned" grade cannot be surpassed by anyone. **1 lb., 50c; 5 lbs., $2.25; 25 lbs., $10.00; 100 lbs., $38.00.**

Crimson Clover. It can be seeded at any time from June to October, at the rate of fifteen to twenty pounds to the acre, and makes the earliest possible spring pasture. **1 lb., 30c; 5 lbs., $1.25; 25 lbs., $5.00.**

Sweet Clover (White Blossom). It is a biennial leguminous plant, tall, somewhat like coarse alfalfa, growing 8 to 10 feet high. Its blossoms, which rarely appear until the second year, are white and give a strong smell of honey. If not allowed to reseed, it will die out the second year. **1 lb., 25c; 5 lbs., $1.00; 25 lbs., $3.75; 100 lbs., $14.00.**

SEMESAN THE MODERN SEED DISINFECTANT

Controls seed diseases, quickens germination, invigorates seedling growth, produces sturdier plants, increases crop yields.

The Effects of Semesan Treatment

Semesan acts as an antiseptic that either kills or retards the development of disease producing bacteria and fungi, as well as similar parasitic organisms which may not cause disease results but which feed on the germination seeds, causing handicapped germination and weak or stunted growth of the seedlings.

Practical farmers, as well as scientific investigators, have found that disinfection of seed grain with Semesan pays, because it eliminates or satisfactorily reduces the common cereal diseases and also substantially increases harvest yields.

SEMESAN is useful not only for cereal diseases but is also extremely effective for combating a diversified variety of diseases and infections that attack all kinds of farm and market garden crops, flowers, nursery plants.

Dust Method. To be thoroughly effective, dust treatments require that each seed be thoroughly coated with Semesan.

Prices for DuPont Semesan

2 ounce can.....**$0.50** 5 pound can...**$13.00**
1 pound can..... **2.75** 25 pound can.. **51.25**

Seresan for Rye, Wheat, or Oats use 2 oz. to 1 bu. of seed. **8 oz. 50c; 1 lb., 75c; 5 lbs., $3.00.**

SOIL INOCULATOR

Inoculator. Has a marvelous record—because it is field bred and farm grown, making it virile, kicking and ready to go.

When ordering Queen's Inoculator please give number and size of package desired.

No. 1 and 2 for Alfalfa and Clover.	No. 3 and 4 for Garden Beans and Vetch	No. 5 for Cow Peas, No. 6 for Soy Beans.
½ bu. size for 30 lb seeds..$0.50	**1 bu. size for 50 lb seeds...$0.50**	**1 bu. size for 50 lb seeds...$0.50**
1 bu. size for 60 lb seeds... 1.00	**2 bu. size for 100 lb seeds.. 1.00**	**2 bu. size for 100 lb seeds.. 1.00**
2½ bu. size for 150 lb seeds 1.75	**5 bu. size for 250 lb seeds.. 1.75**	**5 bu. size for 300 lb seeds.. 1.75**

PLEASE WRITE FOR PRICES IF IN THE MARKET FOR 100 LB. LOTS—BAGS EXTRA; SEAMLESS 35c

Barley (Spring). If can be grown on almost any kind of soil and produces a crop even on light soil which will not produce wheat or oats. **Lb., 15c; 5 lbs., 50c; 25 lbs., $1.25; 100 lbs., $4.00.**

Buckwheat (Common). It is much more productive than any other and succeeds well almost any place. **Lb., 15c; 5 lbs., 50c; 100 lbs., $4.25.**

Broom Corn (Standard Evergreen). Grows about eight to ten feet high, stands up well and is entirely free from crooked brush. **Lb., 15c; 5 lbs., 60c.**

Cane (Early Amber). Farmers and stockmen say that Early Amber is the most valuable fodder plant in existence. Not only is it adapted for feeding purposes, but it has great qualities for Sorghum. **Lb., 15c; 5 lbs., 50c; 25 lbs., $1.50.**

Cane (Early Orange). A variety well adapted for the South. It is from eight to ten days later than the Early Amber. **Lb., 15c; 5 lbs., 60c; 25 lbs., $1.50.**

Cow Peas are very valuable for hay when cut and also a great soil enricher when plowed under. Cow peas should be sown at the rate of 1 to 1½ bu. per acre. **In 100-pound lots, write for prices.**

Cow Peas (Whippoorwill). This variety matures in about 70 days and is very largely grown as a soil improver and for pasturage. Has brown-speckled seeds. **Lb., 15c; 5 lbs., 50c; 25 lbs., $2.00.**

Cow Peas (New Era). This famous variety is grown extensively everywhere and is an early maturing variety of quick, upright growth. The vines make a splendid dry forage, cure easily. **Lb., 15c; 5 lbs., 50c; 25 lbs., $2.00.**

Cow Peas (Mixed). We always have a supply of mixed varieties; usually a little flower in price because of this, but equally valuable for forage or for enriching the soil. **Lb., 15c; 5 lbs., 50c; 25 lbs., $2.00.**

Kaffir Corn. One of the finest fodder plants, yielding two crops each season. Stalks grow to a height of five or six feet, each bearing numerous wide leaves. It is a wonderful yielder and one of the most profitable crops grown. **Lb., 10c; 5 lbs., 40c; 25 lbs., $1.00.**

Millet (German or Golden). It is a strong grower and will yield enormous crops of the finest hay, and should be cut before the seeds will harden. For hay, sow from May to August 1st. For grain, sow in drills not later than June 20th. Fancy. **Lb., 15c; 5 lbs., 50c; 25 lbs., $1.75.**

Oats (Early White Champion). This is a well-known variety throughout the central states and north-west. It ripens early and yields abundant crop. It is a large, white oat, free from black kernels. In comparison with other sorts, one close observer has stated; "It has the plumpest kernel of any variety." **Bu., 85c; 10 bu. 80c per bu.**

Oats (Mixed Black). They are preferred by those who have had experience with them principally on account of their superior yielding qualities, but besides being fully equal if not better than white eats in point of feeding qualities, they possess another very valuable characteristic in the unequaled. stiffness and strength of straw. **Bu., 95c; 10 bu., 90c per bu.**

Oats (Texas Rustproof). The ideal Rustproof variety, grown extensively throughout the South an immense yielder, a sure cropper. **Bu., 95c; 10 bu., 90c per bu.**

Peanuts. Planted in April they ripen in August, and planted as late as July 1st, they will mature full crops before frost. **Lb., 25c; 5 lbs., $1.00.**

Peas (Canada Field). Valuable for northern climates for cattle-feeding, especially for milch cows. This pea also makes fine ensilage and for plowing under as a green manure has no equal. **Lb., 15c; 5 lbs., 50c; 25 lbs., $2.50; 100 lbs., $6.00.**

Rye. If sown early in the spring it makes an early and abundant pasture. It is quite commonly employed recently and used with great profit as a catch crop where grain has been winter-killed. Sow 1½ to 2 bushels to the acre. **Lb., 10c; 5 lbs., 30c; 25 lbs., $1.00; 100 lbs., $3.50.**

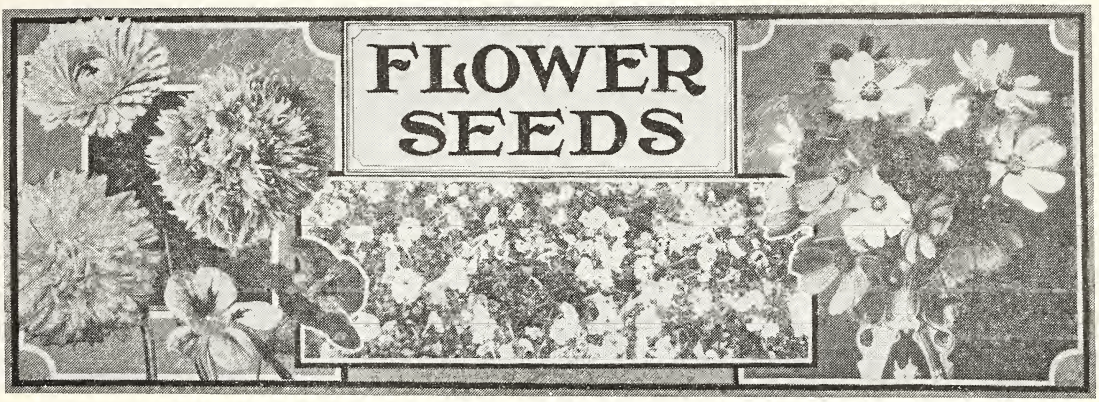
Sunflower (Mammoth Russian). Sunflower seeds are superior for poultry (said to improve the meat). **Lb., 15c; 5 lbs., 65c; 25 lbs., $2.50.**

Rape—Dwarf Essex. as a forage plant for hogs, cattle or sheep it cannot be surpassed. No owner of stock can afford to be with this great forage crop. **Lb., 15c; 8 lbs., $1.00; 25 lbs., $3.00.**

SOY BEANS

Manchu (Yellow). Excellent for the Northern and Central states, both for forage and grain. Plants stout, erect, days; holds seed well. **Early; Lb., 15c; 5 lbs., 50c; 25 lbs., $1.60.**

Virginia (Brown). This variety is excellent forage and ensilage sort. It is recommended for hay or ensilage maturing in about 125 days; shatters slightly. **Lb., 15c; 5 lbs., 50c; 25 lbs., $1.60.**



GENERAL LIST OF FLOWER SEEDS

We mail all Flower Seeds POSTPAID to any Post Office in the United States.

SURROUND your house with flowers, the most refining and uplifting influence in the world. Nothing can add to the beauty of your home like a flower garden. Here you can spend many pleasant hours; it is an enjoyable task to plant them, watch them grow and pick them for ornaments. Years of experimenting, testing and selection have made "Pure and Sure" Seeds the highest quality seeds that have ever been offered the lover of flowers. Everything that would aid in producing better seeds, more beautiful flowers, and finer, improved varieties, has been done and the acme of perfection has been reached in our "Pure and Sure" Flower Seeds.

ABRONIA UMBELLATA

(Sand Verbena)

Verbena-Like rose colored flowers. Elegant trailing habit. **Hardy annual. Pkt., 10c.**

ABUTILON

(Flowering Maple)

Choice Mixed. Used extensively for pot culture and ornamental bedding; foliage is of maple form and has variegated coloring; flowers bell-shaped; height 3 feet. **Pkt., 20c.**

ACHILLEA

(Milfoil or Yarrow)

The Pearl. Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; easily grown from seed; flowering the first season if seed is sown early; excellent cutflowers for vases; 2 feet. **Pkt., 15c.**

Ageratum

ACONITUM

(Monk's Hood, Wolfsbane)

Napellus Blue. A hardy perennial, growing in any good garden soil, producing long spikes of curiously-shaped blue flowers. Well adapted for planting among shrubbery or in shady corners of the garden; 3 to 4 feet. **Pkt., 10c.**

ACROCLINIUM

(Everlasting Flower)

A pretty everlasting, bearing graceful, daisy-like flower, pretty bright rose and white with yellow center, which, when cut in the bud state, can be dried and used for winter bouquets. Double mixed; 1 foot. **Pkt., 10c.**

ADONIS AESTIVALIS

(Flos Adonis)

Beautiful annual dark scarlet flowers with light center. Of easy culture and showy. Fine cut foliage. A very pretty plant; 1 foot. **Pkt., 10c.**

AGERATUM

(Floss Flower)

An excellent annual plant for edging or solid effects. For early bloom sow indoors from March till May; sown outdoors in May will flower in August. A continuous bloomer.

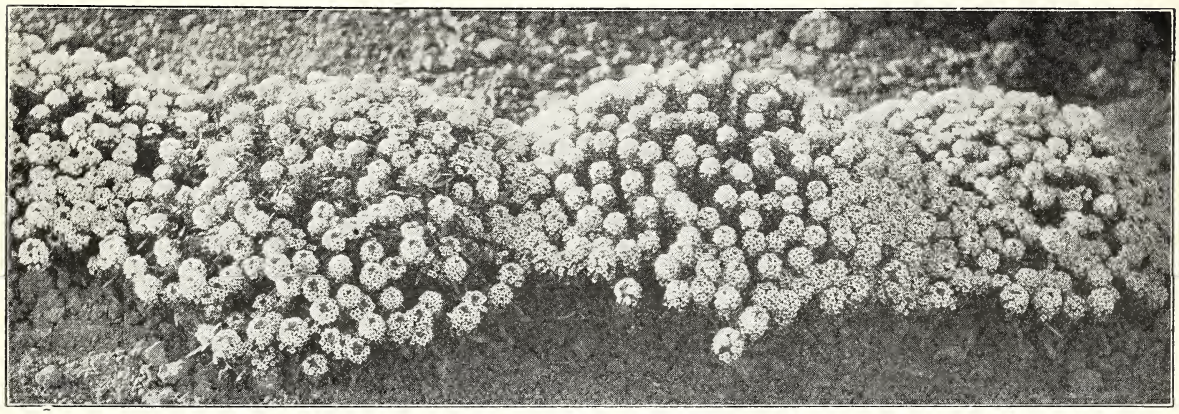
Blue Perfection. Large heads of deep blue flowers produced in abundance; 15 inches. **Pkt., 10c.**

Imperial Dwarf Blue. Clear Blue; compact growing plant; height 9 inches. **Pkt., 10c.**

Imperial Dwarf White. Pkt., 10c.

Little Blue Star. Plants densely covered with bright blue flowers; height 5 inches. **Pkt., 15c.**

Mixed. Blue and White; 12 inches. **Pkt., 5c; ¼ oz., 25c.**



Carpet of Snow Alyssum

AGROSTEMMA CORONARIA
(Rose Campion)

Exceedingly handsome and free-flowering. Perennial. Red. 1½ feet. **Pkt., 10c.**

ALYSSUM (Annual)

This is one of the finest hardy annuals we have, and is beloved by many on account of its modest blossoms, very similar to white forget-me-nots. It is pleasantly fragrant, and just the thing for personal adornment or the breakfast table. It begins to blossom early in the season and blooms more or less constantly until Fall.

Maritimum (Sweet). Of trailing habit; flowers white. **Pkt., 5c; oz., 50c.**

Carpet of Snow. We know of no other white flower which is so particularly well adapted to borders, ribbons, etc., as our Carpet of Snow Alyssum. The plants commence to bloom when quite small, and will flower all Summer long, till late in the Fall. **Pkt., 10c; ½ oz., 35c.**

Little Gem. The best variety for bedding. Very dwarf and compact. **Pkt., 10c; ½ oz., 35c.**

Lilac Queen. A distinct, new annual variety with lilac shaded flowers. The plants are of dwarf compact growth and are equally as useful for carpet bedding and edgings as the dwarf white varieties. **Pkt., 10c.**

Saxatile. Hardy. A grand variety of exquisite coloring. This new variety forms a perfect little bush with miniature flowers in great masses, of a bright yellow. This species is a hardy perennial, but blooms the first season from seed if sown early, grows about 12 inches high. **Pkt., 10c.**

AMARANTHUS

Beautiful colored foliage plants; succeeds best in sunny, dry locations.

Tri-Color (Joseph's Coat). Decorative foliage plants, easily raised from seed, either by starting them early indoors or sown outdoors in May. Useful in borders of tall plants or for the center of large beds; annual; 3 feet. **Pkt., 10c.**

Prince's Feather. Dark red feathery flowers. **Pkt., 10c.**

Choice Mixed. Pkt., 5c; ½ oz., 15c.

AMPELOPSIS (Boston or Japan Ivy)

Veitchii. Clings to the walls of wood, stone or brick. Dense foliage; glossy green; changing to red and yellow in Autumn. Hardy. 20 feet. **Pkt., 10c.**

ANEMONE (Windflower)

A very pleasing perennial, producing large flowers; few plants compare with them in beauty; fine for bouquets. **St. Brigid.** Mixed colors. **Pkt., 10c.**

ANCHUSA (Dropmore Variety)

Italica. One of the finest hardy plants of recent introduction, remarkable for its free and continuous flowering and the beautiful gentian-blue color of its flowers. **Pkt., 10c.**

ANTHEMIS (Hardy Marguerite)

Kelwayi. A most satisfactory hardy perennial, bearing all Summer daisy-like golden-yellow blossoms; excellent for cutting, 2 ft. **Pkt., 10c.**

ARABIS (Rock Cress)

Alpina. A hardy perennial and one of the earliest and prettiest Spring flowers. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. 6 inches. **Pkt., 10c.**

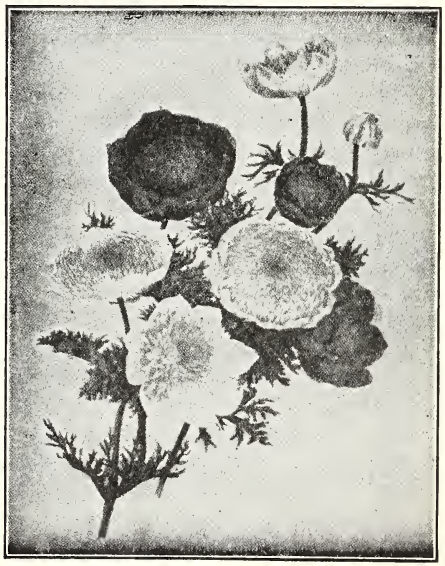
ARCTOTIS GRANDIS

Blue-Eyed, or African Daisy. White and Lilac. The large daisy-like blooms of this fine, hardy annual are excellent for cutting. 2 feet. **Pkt., 10c.**

ASPARAGUS

Plumosus Nanus. Probably the most popular house plant today. **Pkt., 10c.**

Sprengeri. Hardier and more easily grown. **Pkt., 10c.**



Anemone

ANTIRRHINUM

Half Hardy Perennial Treated as an Annual

Antirrhinums or Snapdragons have increased in popularity within the last few years until now, when used for cutting or grown in the garden for display, they rival even the sweet pea in beauty and gracefulness. They are one of the most valuable flowers that grow from seed.

Seed sown out of doors the first week of May will bloom early in July, remaining in full flower until November. For earlier flowering they may be started indoors or in a frame in March, transplanting them to the open when the weather is suitable.

Large-Flowering Half Dwarf

	½ Oz.	Pkt.
Rose Queen, brilliant rose carmine	$1.00	$0.10
Empress, rich velvety crimson	1.00	.10
Fawn, terra cotta pink, suffused yellow	1.00	.10
Golden Queen, clear yellow	1.00	.10
Grenadier, orange scarlet, white tube	1.00	.10
The Bride, pure white	1.00	.10
Silver Pink, pearly pink self	1.50	.10
Mixed, varieties	1.00	.10

TALL, LARGE-FLOWERING VARIETIES

The varieties offered below are the best and most improved of the largest-flowering sorts. The blooms are double the size of the old varieties and for a select strain of this great favorite, plant our improved strain.

	½ Oz.	Pkt.
Fire King. Orange scarlet, white tube	$0.75	$0.10
Golden King. Giant yellow	.75	.10
Rose Queen, Soft Pink	.75	.10
Crimson King	.75	.10
Venus. Delicate Pink	.75	.10
Queen Victoria. White	.75	.10
Mixed	.75	.10

TOM THUMB OR DWARF

Mixed. The plants grow about 8 inches tall and are covered with fine stocky flower-spikes, including a wide range of colors. **Pkt., 10c; ½ oz., $1.15.**

Antirrhinum Half Dwarf

Antirrhinum Tall

Antirrhinum Finest Double Mixed. Pkt., 15c.

ANTIRRHINUM MAXIMUM

This is a wonderful new group of Antirrhinums. The flowers are of magnificent size closely placed on the spike.

	½ Oz.	Pkt.
Copper King—Velvety Copper Scarlet	$1.25	$0.15
Golden Queen—Deep Yellow	1.25	.15
Purple King—Deep Glowing Purple	1.25	.15
Snowflake—Pure White, Yellow Tube	1.25	.15
The Rose—Rose Pink	1.25	.15
Mixed	1.25	.15

AQUILEGIA (Columbine)

Few hardy perennials are so easily grown from seed. A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow in the fall for flowering the following season.

	Pkt.
California Hybrids—Exquisite flowers	$0.10
Canadensis. Scarlet and yellow	.10
Coerulea. Splendid light blue and white	.10
Double. All colors mixed. ½ Oz. 50c	.10
Single. All colors mixed. ½ Oz., 50c.	.10

Mrs. Scott Elliott's Strain of Long Spurred Hybrids. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc. **Pkt., 15c.**

Chrysantha. Golden-yellow. **Pkt., 10c.**

EARLY AMERICAN BEAUTY

This variety is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much larger and heavier stems. Plants will average two and one-half to three feet in height according to location. The flowers are fully double to the last. Each plant forms a perfect bush.

	Pkt.
Crimson	$0.15
Lavender	.15
Purple	.15
Rose-Pink	.15
White	.15
Delicate Flesh Pink, September Beauty	.15
Mixed ¼ Oz., $0.90	.15

CALIFORNIA GIANT ASTERS

The flowers are much larger and more substantial than the Improved Crego. They measure 5 to 6 inches in diameter, and stand up well when shipped as cut flowers. Their immense size and beauty, as well as their long and sturdy stems make them very attractive when arranged in floral work and they well deserve their name.

	Pkt.
Dark Purple	$0.15
Deep Rose	.15
Light Blue	.15
Peach Blossom	.15
White	.15
Mixed ¼ Oz., $1.00	.15

GIANT COMET ASTERS

Flowers of immense size, often 4 inches across, composed of long, wavy, twisted petals, gracefully formed.

	½ Oz.	Pkt.
Mixed	$0.90	$0.10

ASTERS (Annuals)

Choicest Varieties For Summer Flowering

ASTERS will thrive in any good soil, prepared in the same way as you would for a crop of vegetables, but it is well to remember that any extra care taken in the preparation of the soil is repaid by finer plants larger blooms, with longer stems and more profuse flowering. They should have an open, sunny position, and prefer a good heavy, loamy soil. For early flowering, seeds should be started in a sunny window, hotbed or coldframe in April and transferred to their place in the garden as soon as danger of frost has gone by. For August (midseason) and September (late) sow seeds outside in finely prepared ground in May, thinning out to one foot in the rows and two feet between.

"QUEEN OF THE MARKET" ASTER

An extra early variety, bearing large double flowers; plants of branching habit, having long stems, 2 feet.

	½ Oz.	Pkt.		½ Oz.	Pkt.
White	$0.75	$0.10	**Crimson**	$0.75	$0.10
Lavender	.75	.10	**Blush Pink**	.75	.10
Light Blue	.75	.10	**Purple**	.75	.10
Dark Blue	.75	.10	**Rose**	.75	.10
Mixed				.75	.10

EARLY WONDER ASTER

The earliest variety in cultivation, coming into bloom several days before "Queen of the Market." The form is that of "Giant Comet" type; the flowers are large and very double.

	½ Oz.	Pkt.		½ Oz.	Pkt.
White	$1.50	$0.10	**Light Blue**	$1.50	$0.10
Rose	1.50	.10	**Dark Blue**	1.50	.10
Finest Mixed	1.50	.10	**Lavender**	1.50	.10

AMERICAN BEAUTY ASTER

ASTERS

IMPR. GIANT CREGO ASTERS

Giant Crego Asters are one of the prettiest types in existence. The flowers are large, measuring 4 to 5 inches in diameter and about 2½ inches thick. They are fully double and are composed of long graceful petals which are attractively curled and twisted. The peculiar arrangement of the petals gives them an artistic appearance not unlike a Chrysanthemum.

In the garden Crego's Giant Asters are valuable because they form a well-rounded, compact plant about 2 to 2½ feet tall. They are classed as a mid-season type, filling in the season between the early and late Asters. They bloom all during August and the early part of September. The flowers are carried on long stems, so that they are suited for cutting.

	½ Oz.	Pkt.
Crimson	$0.90	$0.10
White	.90	.10
Azure Blue	.90	.10
Pink	.90	.10
Shell Pink	.90	.10
Lavender	.90	.10
Purple—Bright	.90	.10
Rose—Rich deep rose	.90	.10
Mixed	.90	.10

ROYAL ASTERS

A valuable variety of Aster of the Comet type, coming into bloom in mid-season. They are vigorous and sturdy growing, branching from the base of the plants. Although early—Mid-season Asters—they remain in flower a long time, the flowers being of splendid substance; splendid cut flower type.

	Oz.	Pkt.
Mixed	$1.00	$0.10

Aster St. L. S. Co's. Late Branching

ST. L. S. CO.'S LATE BRANCHING ASTERS

The superb strain of American origin and especially adapted to our climatic conditions, now one of our leading specialties, extraordinary care being given each season to the selection of the very finest specimens for stock seed.

The plants form strong, branching bushes, 2 to 2½ feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers.

	½ Oz.	Pkt.		½ Oz.	Pkt.
Pure White	$0.75	$0.10	Flesh Pink	$0.75	$0.10
Light Blue	.75	.10	Lavender	.75	.10
Rose	.75	.10	Crimson	.75	.10
Purple	.75	.10	Mixed	.75	.10

ST. L. S. CO.'S NOVELTY MIXED ASTERS

This superb mixture is composed of all new novelties of recent introduction. The plants form strong, branching bushes, 2 to 2½ feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers. **Pkt., 15c; ½ oz., $1.25.**

CHRYSANTHEMUM-FLOWERED DWARF-ASTERS

Bushy plants, bearing large perfectly double flowers, fine for either gardens or pot culture. **Finest Mixed Colors. Pkt., 10c; ½ oz., $1.00.**

CHINA ASTERS

Single Mixed. Within late years the single Asters have gained in favor with the flower lovers. Our mixture contains all the leading colors, well blended. **Pkt., 10c; ½ oz., 75c.**

HARDY PERENNIAL ASTER

Mixed (Michaelmas Daisies). Single fall-flowering, hardy herbaceous plants, thriving in any good garden soil. If sown early they will flower the first season; 3 feet. **Pkt., 15c.**

Begonia

AUBRIETIA (Rainbow Rock Cress)

Large-flowering Hybrids. A beautiful dwarf rock plant, covered with sheets of bright flowers in spring and early summer; 6 inches. **Pkt., 15c.**

BALLOON VINE (Love-in-a-Puff)

A rapid-growing annual climber; succeds best in light soil and warm situation; flowers white; seed vessels look like miniature balloons. 5 to 10 feet. **Pkt., 5c.**

BALSAM (Lady Slipper)

An old favorite garden flower, producing its gorgeous masses of beautiful, brilliant-colored double flowers in the greatest profusion. Seed should be started in boxes indoors or in the open ground when danger of frost is past. The plants must not suffer for moisture. Tender annuals, 2 feet.

Camellia Flowered Double. The flowers are very large, measuring from two to three inches in diameter, of perfect form.

	Pkt.
White	$0.10
Light Pink	.10
Scarlet	.10
Salmon Rose	.10
Mixed—oz., 60c.	.10
Rose Flowering. Double Mixed—oz., 50c	.05

BALSAM APPLE (Mormordica)

A beautiful climbing plant; handsome apple-shaped fruits. Makes dense shade. The fruit preserved in alcohol make a useful liniment. 15 to 20 feet.
Pkt., 10c; oz., 35c.

BAPTISIA (False Indigo)

Australis. A strong growing perennial plant 2 feet high; dark green, deeply cut foliage and spikes of dark blue, pea-shaped flowers in June and July.
Pkt., 15c.

BEGONIA

A beautiful flower of various colors. Blooms in constant profusion from early Summer until late Fall, and an excellent plant for Winter blooming.

Prima Donna. Light rose, shading to carmine. **Pkt., 15c.**

Erfordia. Easily raised from seed, which should be started either indoors or in a hotbed. **Pkt., 15c.**

Luminosa. Brilliant, fiery, dark scarlet. **Pkt., 15c.**

Dwarf Vernon. Bright orange-carmine flowers, deep red foliage. **Pkt., 15c.**

Fine Mixed. Similar to above, mixed. **Pkt., 10c.**

Bellis-Perennis or Double Daisy

Greatly improved varieties of the popular "Double Daisies." Admirably adapted for edgings, borders and low beds, and also well suited for growing in pots.

	Pkt.
Double Red	$0.10
Double Rose	.10
Double White—Pure White	.10
Double Mixed Colors	.10

Shasta Daisy. See Page 56.

Daisy African Golden. See Page 56.

BEAN, SCARLET RUNNER

A great favorite in England and Europe, not only as an ornamental climber, but for the delicious edible beans. **Pkt., 10c; ¼ lb., 25c; 1 lb., 60c.**

BOCCONIA (Plume Poppy)

Cordata. A splendid, hardy perennial, with glaucous green foliage, and bearing freely, spikes 2 to 3 feet long of creamy white flowers; 5 feet. **Pkt., 10c.**

BROWALLIA

One of our favorite profuse blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, supplying a shade of intense blue; grows freely in any rich soil; blooms finely in the winter if lifted in autumn and cut back.

Speciosa Major. One foot. **Pkt., 25c.**

BRACHYCOME (Swan River Daisy)

Iberidifolia Mixed. Very effective in edgings, beds, and rustic baskets. Good for house culture in winter. Always in full bloom. **Pkt., 10c.**

Double Daisy (Bellis Perennis)

CACALIA (Tassel Flower)

A pretty free-blooming plant with tassel-shaped flowers, also called Devil's Paint Brush. Of easy growth; annual; 18 inches. **Pkt., 10c.**

CALCEOLARIA (House Plant)

A much admired genus distinguished by its abundance of large, showy, sac-shaped or slipper-like flowers which are creamy white and various shades of yellow often splashed, spotted or blotched with dark reddish brown, two plants rarely having flowers marked exactly alike. Leaves large, felty, close growing. Under proper conditions can be grown indoors to perfection, making an excedingly decorative plant. Plants one to one and one-half feet high.
Finest Mixed. Pkt., 25c.

CALENDULA (Annual)

Large double flowers, blooming all Summer, closing somewhat at night and opening slightly on cloudy days; flowers borne on long, stiff stems. 2 feet.

Campfire. A distinct new type originating from our florist's strain of Orange King. It is of vigorous growth, the flowers borne on stout stems. The color of the petals is brilliant orange. **Pkt., 25c.**

Lemon Queen. Very large and extremely double flowers of a pleasing rich lemon-yellow, dark eye. **Pkt., 10c.**

Orange King. Very large double orange-red. **Pkt., 10c.**

Meteor. Creamy center, edged with orange. **Pkt., 10c.**

Nankeen. A very distinct variety, the double flowers of a creamy-yellow, slightly flushed apricot, dark brown eye. **Pkt., 10c.**

Mixed., Pkt., 5c; oz., 50c.

CANARY-BIRD VINE
(Tropaeolum Canariense)

A beautiful rapid annual climber, the charming little canary-colored blossoms bearing a fancied resemblance to a bird with its wings half expanded. 15 feet.
Pkt., 10c.

Calliopsis

Calendula

CALLIOPSIS (Annual)

One of the most showy flowers, very easily grown; will thrive almost anywhere without trouble or care. A favorite for the home yard or lawn.

Crimson King. A fine dwarf sort, 9 inches high; color rich velvety crimson-garnet. **Pkt., 10c.**

Crown of Gold. Large, rich, golden-yellow, 18 inches. **Pkt., 10c.**

Golden Ray. Dwarf, compact plants, not over 9 inches high, covered with flowers of rich maroon edged with golden yellow and having twisted petals like a Cactus Dahlia. **Pkt., 10c.**

Superb Hybrids, Mixed. Unlike other varieties, this is a fine bedding plant, besides being useful for bouquets. The colors are richer and more varied. Height, 14 inches. **Pkt., 10c.**

Tall Mixed. Valuable for mixed beds and borders. About 2 feet. **Pkt., 5c; oz., 40c.**

CAMPANULA (Canterbury Bells)

Very beautiful, hardy, herbaceous perennial, bearing a great profusion of attractive Bell-flowers; thrives best in light, rich soil; some of the varieties flower first season if sown early.

MEDIUM CALYCANTHEMA

	Pkt.		Pkt.
Blue	$0.10	Rose	$0.10
White	.10	Striped	.10
Mixed	.10		

We deliver free in the U. S. all vegetable and flower seeds by the packet, ounce or quarter pound.

CANDYTUFT (Iberis) (Annual)

The Candytuft is almost as fragrant as the sweet alyssum and very popular. Very useful as abedding plant or for border work.

If sown in spring in rich, mellow soil the plants will usually bloom from July to September or if in the fall will be likely to blossom from the last of May to July. Make rows about one foot apart and cover the seeds with about one-fourth inch of fine soil firmly pressed down. When two inches high thin to four inches apart in the row. Larger flowers are obtained if some of the branches are removed, and an abundance of water is desirable. Hardy annual.

Empress. The best, pure white and the **best** for cut flowers; Fragrant. **Pkt., 10c; ½ oz., 30c.**

Giant Hyacinth-flowered. As a result of extra care and painstaking selection this is now the finest of all flowers, in a pyramid of bloom. **Pkt., 10c; ½ oz., 40c.**

	½ Oz.	Pkt.
Umbellata Carmine	$0.25	$0.10
" Crimson	.25	.10
" Lavender	.25	.10
" Rose Cardinal	.25	.10
Mixed	.25	.10

Candytuft Giant Hyacinth Flowered

(Hardy Candytuft)

Gibraltarica Hybrida. White flowers, shading to lilac. **Pkt., 10c.**

Sempervierns. A profuse, white-blooming, hardy perennial coming in flower early in the Spring; much used for cemeteries, rockeries, etc. 1 foot. **Pkt., 10c.**

Carnation

CANNA (Annual)

Cannas are famous for their luxuriant growth and immense Gladiolus-like flowers of most brilliant colors; their profusion and continuity of bloom under all climes and conditions render them easily the most useful, showy and universally popular garden plants grown. **Mixed Pkt., 10c.**

CARDINAL CLIMBER

We consider it the most beautiful and brilliant annual climber ever sent out. It is a strong and rapid grower, attaining a height of 30 feet or more, with beautiful fern-like, laciniated foliage and literally covered with a blaze of circular fiery cardinal-red flowers from Mid-Summer till frost. The flowers are about 1½ inches in diameter, and are borne in clusters of 5 to 7 blooms each. **Pkt., 10c; ½ oz., 75c.**

CARNATION

CARNATIONS are general favorites for their delicious fragrance and richness of colors. The Chabaud's types are the best for Summer flowering. They are all easily grown from seed. Half hardy perennial, usually treated as a biennial.

Chabaud's Ever-blooming. Resembles the Marguerite Carnation, but is prepetual growing or perennial. Exquisite colors.

	½ Oz.	Pkt.
Dark Red	$1.50	$0.15
Deep Rose	1.50	.15
White	1.50	.15
Yellow	1.50	.15
Finest Mixed	1.50	.15

Marguerite Mixed. Pkt., 10c; ½ oz., 75c.

HARDY CARNATION

This is a very fine strain, particularly adapted for garden planting. Seed sown in the Spring will produce large and thrifty clumps that will stand out over winter and bloom throughout the following Summer and Fall.

	Pkt.
Grenadin Dwarf. Double Scarlet	$0.20
Grenadin Dwarf. Double Mixed	.15

Candytuft, Umbellata

CELOSIA (Coxcomb) (Annual)

Beautiful plumes of brilliant colors. Being fine for vases, and of splendid foliage. Seed may be sown outdoors as early in spring as ground is warm and dry, using if possible light rich, well pulverized soil, and giving plenty of moisture. For larger and more beautiful plumes start the seed very early indoors and transplant to place when weather is settled. Also adapted for growing in pots in greenhouse and conservatory. Half hardy annuals.

Thompson's Magnifica. All colors mixed. **Pkt., 10c.**

	Pkt.
Tall Crimson	$0.10
Tall Golden	.10

CELOSIA DWARF

Dwarf mixed ½ oz., $1.00; Pkt., .10

Glasgow Prize. The best dwarf crimson sort, with handsome dark foliage. Combs very large and solid. **Pkt., 10c.**

Celosia Childsii. See Woolflower on Page 77.

Celosia (Coxcomb)

Imperialis (Giant Royal Sweet Sultans)

CENTAUREA (Annual)
(Corn Flower, or Bachelor's Button)

Sow seed in early spring and transplant to open ground or sow in open ground as soon as the weather is warm and settled. Cover seed about one-fourth inch deep; thin to three or four inches apart. Fine for bedding or borders. The young plants are very sensitive to wet, and care should be taken to prevent water standing on the leaves.

Cyanus Double White. Pkt., 10c; ½ oz., 40c.

Double Blue. This was introduced in 1907, and is now a standard variety and largely used by the commercial florist, who quickly recognized its value as a cut flower. **Pkt., 10c; ½ oz., 40c.**

Double Rose. A splendid variety for cutting, color clear rose-pink. **Pkt., 10c; ½ oz., 40c.**

Cyanus Double Mixed. A much better strain than the above. Bunch this with Sweet Peas and it makes a pretty combination. **Pkt., 10c; ½ oz., 35c.**

IMPERIALIS (Royal Giant Sultanas)

This class produces large, very double, finely laciniated flowers of graceful form and delicious fragrance. They are very desirable for cut flowers and will often last for over a week when placed in water. They should be cut before the blossoms are fully opened.

Bushes are from 3 to 4 feet in height, flowers are finely fringed, soft and feathery and frequently 3 inches across. Fine for cutting.

	Pkt.		Pkt.
Brilliant Pink	$0.10	**Rose**	$0.10
Lavender	.10	**White**	.10
Purple	.10	**Red**	.10
Mixed	½ oz., 50c; .10		

ORNAMENTAL LEAVED CENTAUREA (Dusty Miller)

Candidissima. For bedding, hanging baskets and pots and for edging of beds where white basket foliage is desired. Easily raised from seeds. Silvery white, finely cut leaves. 1 foot. **Pkt., 10c.**

Gymnocarpa. Leaves not so white as the above. 1½ feet. **Pkt., 10c.**

CENTAUREA (Hardy)

Montana. Violet, Blue. **Pkt., 10c.**

CHEIRANTHUS

Allionii (Siberian Wallflower.) A biennial, but best treated as an annual; brilliant orange. **Pkt., 15c.**

CINERARIA (House Plant)

Magnificent flowering plants for Spring decorations for the conservatory or window garden. The flowers measure 2 to 3 inches across, are of white, blue, violet.

Giant Prize. Semi-Dwarf, Extra. **Pkt., 20c.**

Multiflora Nana Potsdam. This is an extra fine dwarf select mixed variety, nothing better. **Pkt., 25c.**

Chrysanthemum

CLIMBERS, RAPID MIXTURE

This mixture contains flowers of gigantic size, and coloring and markings beyond description and embraces all variations, which are really the most handsome, semi-doubles. Annual. **Pkt., 10c; oz., 35.**

COBAEA (Cup and Saucer Vine)

A rapid growing climber with handsome dark green foliage, bearing on graceful stems large, bell-shaped flowers, green at first but rapidly changing to a beautiful deep violet-blue. A wire netting trellis or support for the many green tendrils to fasten upon is preferable to cords or smooth wire.

Scandens, Blue. Large, bell-shaped purple flowers. **Pkt., 10c.**
Scandens, White. Pure white. **Pkt., 10c.**

COLEUS

Coleus, grown from seed make very thrifty plants the first season. For sub-tropical groups the endless variety and combinations of brilliant colors are very captivating. Tender perennial. Fine Mixed. **Pkt., 20c.**

COREOPSIS

Lanceolata Gr. Fl. One of the finest hardy garden plants grown, forming large clumps 2 to 3 feet high, and increasing in beauty, luxuriance and floriferousness each year, though it flowers the first season from seed sown early, producing immense, long stemmed, rich yellow flowers, shaded with orange, flowering in profusion for a long period during the Summer; unequaled for cutting; grows anywhere. **Pkt., 10c; ½ oz., 35c.**
Lanceolata Grandiflora Fl. Pl. (Double Flowering Coreopsis). Similar in habit to the above flowers double and semi-double; splendid for cutting. **Pkt., 15c.**

COTTON (Annual

Grown extensively for decorating purposes. Very showy and attractive. **Pkt., 10c; oz., 20c.**

CHRYSANTHEMUMS

(Annual)

There are many people, however, who do not realize how easily they may be grown from seed, and that all of the magnificent new varieties were raised from hybridized seed, similar to that which we are now offering.

Bridal Robe. Of very compact and upright habit; 10 inches in height; the sturdy plants throw out their finely feathered foliage from the base and deck themselves with a mantle of double pure white flowers. **Pkt., 15c.**
Carinatum. Owing to its magnificent golden yellow, white and red shades, it is fast becoming a florist favorite

	Pkt.		Pkt.
Double Purple King	$0.10	**Double Yellow**	$0.10
Double White	.10	**Double Red**	.10
Double Mixed			.10
Eclipse. Single. Yellow with dark brown disk			.10
Single Fine Mixed			.10

CLARKIA

This pretty and easily grown annual has been much improved in recent years. Beautiful hardy annuals with rose-colored, white and purple flowers, in delicate but very brilliant shades, The plants are about one and one-half to two feet high and are profuse bloomers.

Sow in light, warm soil, as early in the spring as the ground can be worked, or if planted in August they will bloom the following summer. **Double Mixed. Pkt., 10c.**

CLEMATIS

Hybrids (Mixed). The best known and most valued variety. A great variety of colors. Hardy. **Pkt., 15c.**
Paniculata (Climbing). 15 ft. Fall-flowering vine with white flowers. For plants, see Climbing Vines. **Pkt., 10c.**

CLEOME (Giant Spider Plant)

Large spikes of rosy carmine flowers. Large bushy plants; 3 to 4 feet high. Annual.
Gigantea. The finest strain. **Pkt., 10c.**

Coreopsis

COSMOS

THIS beautiful annual is one of the most showy and useful of our garden plants. Plants grow from 4 to 6 feet in height, and are very bushy and compact. Flowers borne on long, delicate stems, and are similar to single dahlias. Foliage very finely cut. Excellent for cutting.

DOUBLE COSMOS

These new hybrids form bushy plants 5 to 6 feet high and flower profusely during the Autumn months. Only 40 to 50 per cent of the plants will bear double flowers, the balance producing large single blossoms, the reason being that the double flowers are pistillate.

	½ Oz.	Pkt.
Double Pink Beauty	$0.75	$0.10
" **White Queen**	.75	.10
" **Crimson King**	.75	.10
" **Mixed**	.75	.10

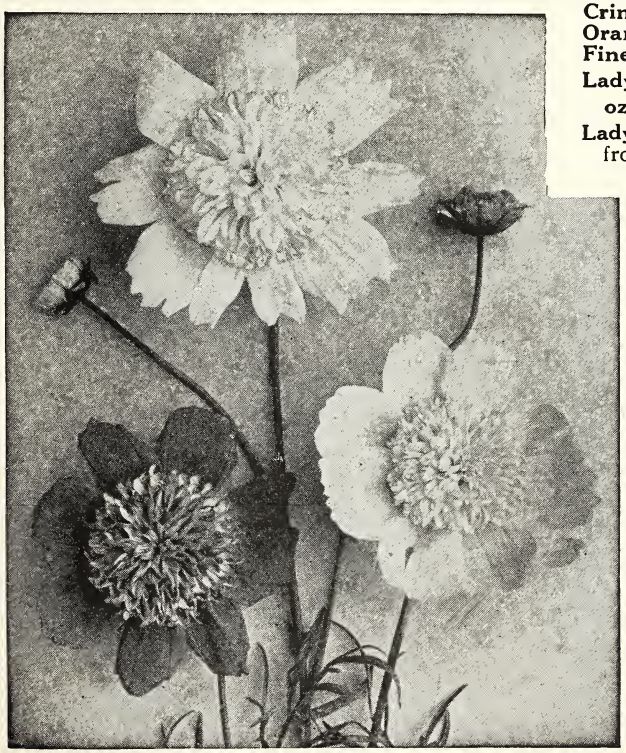
MAMMOTH EARLY

The long-stemmed flowers are of immense size, frequently measuring 5 inches across. The petals are broadly oval and overlap, forming a circular flower of perfect symmetry, having splendid substance and lasting qualities.

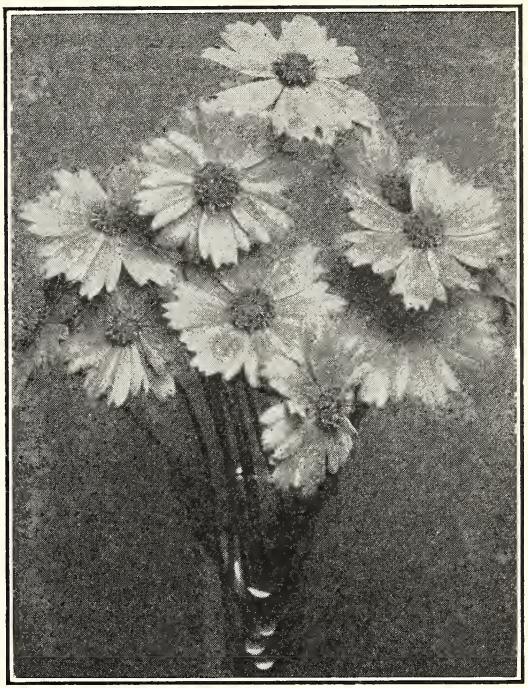
	½ Oz.	Pkt.		½ Oz.	Pkt.
Crimson	$0.35	$0.10	**Pink**	$0.35	$0.10
White	.35	.10	**Mixed**	.35	.10

GIANT FLOWERING

Broad petals, oval-shaped, and overlapping, and the perfect shape of the flowers, and the long lasting quality of this variety readily makes it a garden flower of great merit.



Double Cosmos



Single Cosmos

	Oz.	Pkt.
Crimson	$0.50	$0.10
Orange (Klondike)	.75	.10
Finest Mixed	.50	.10

Lady Lenox, Pink. Lovely shell pink. **Pkt., 10c; oz., 50c.**

Lady Lenox, White. A fine pure white selection from the above. **Pkt., 10c; oz., 50c.**

Hybrida Finest Mixed. Seed, if sown in March and April, will flower during July Our seed is all grown from our special strain 4 feet. **Pkt., 5c; oz., 35c.**

CUPHEA

A very pretty border plant. Very showy for borders and bedding. Dwarf habits. Annual. **Platycentra.** A favorite Cuphea. **Pkt., 15c.**

CYCLAMEN (House Plant)

Our strain of Giant Cyclamen, producing immensely large flowers, is surpassed by none. Our seed is grown by an expert in this special class. They are among the best plants recommended for house culture, as they thrive well and bloom profusely in the average temperature of the living room. Mixed. **Pkt., 25c.**

CYNOGLOSSUM

(Chinese Forget-me-not)

Amabile. An annual recently introduced from China; of the easiest culture, forming strong plants 18 to 24 inches high and producing through the summer months sprays of intense blue Forget-me-not-like flowers, delicately sweet scented. **Pkt., 15c.**

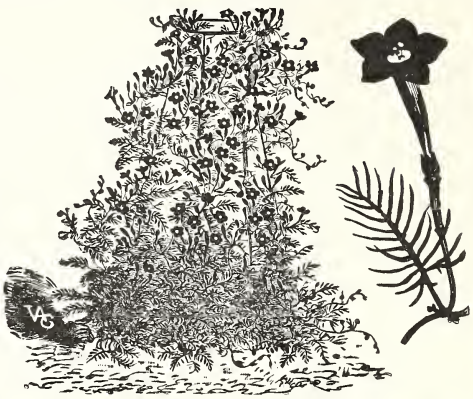
CYPERUS (Umbrella Plant)

Alternifolius. An excellent plant for growing in water and damp places, makes a very ornamental house plant, always presenting a green and attractive appearance. **Pkt., 10c.**

CYPRESS VINE (Annual)

One of the most popular vines, with very delicate fern-like foliage, and masses of beautiful, small, star-shaped flowers. Sow in May, first soaking the seed in warm water for a few hours. 15 ft.

	Oz.	Pkt.
Scarlet	$0.30	$0.10
White	.30	.10
Rose	.30	.10
Mixed	.25	.05



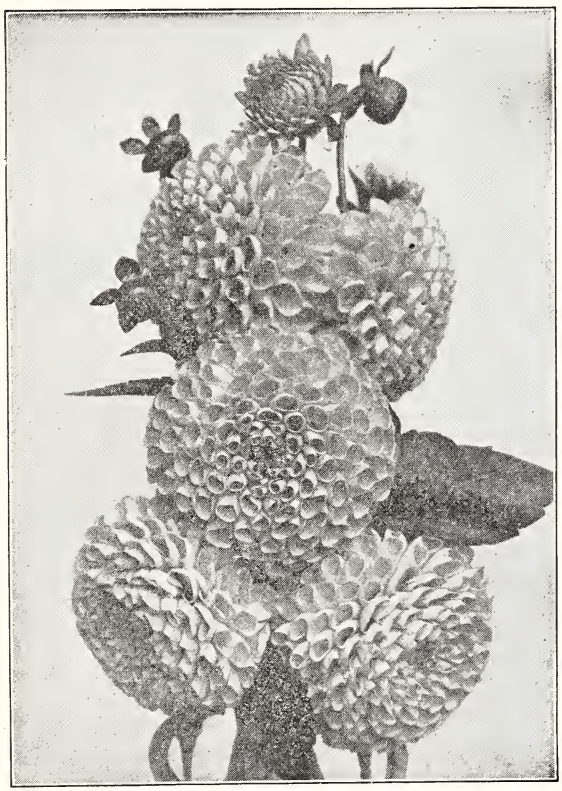
Cypress Vine

DAHLIA

Dahlias can be grown easily from seed so as to produce flowers the first year. In it can be found beautiful combinations of colors and marvelous blending of shades and tints.

	Pkt.
Double Mixed	$0.10
Single Mixed	.10
Cactus Mixed	.15

St. Louis Seed Co.'s Dwarf Large flowering Hybrids Dahlia. A new selection of unusual grace with giant double and semi-double flowers and comprising the very best types and colorings in existence. Sow seed early in spring and you will have flowers during July. A very dwarf Single Dahlia. **Pkt., 25c.**



Dahlia

Shasta Daisy

DAISY (Dimorphotheca)

Aurantiaca—African Golden Daisy. 1 ft. Rare and showy annual from South Africa, having daisy-like flowers of a glossy-salmon-orange shade with black central ring, a lovely color when flowers open in the sun. **Pkt., 10c.**

Shasta Daisy (Alaska). Splendid perennial plants with large single white flowers with yellow centers.

Seed may be sown in the open ground early in spring but better results are usually obtained from sowings made in boxes indoors and plants set out after they have made some growth. Height 18 inches. **Pkt., 10c.**

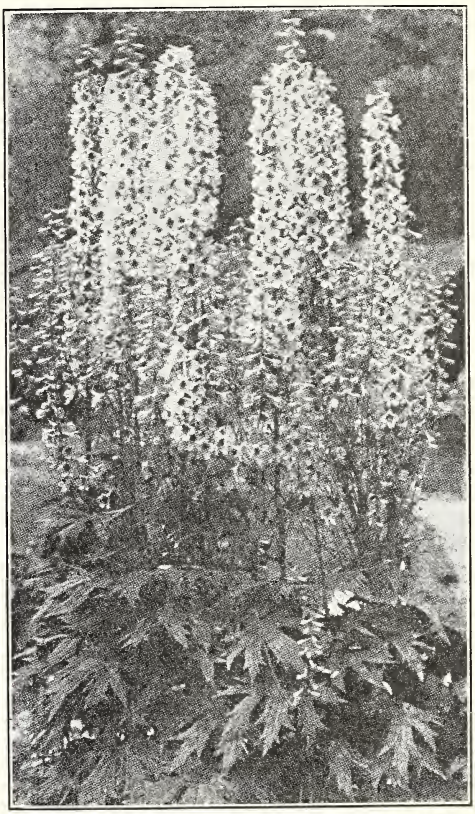
DATURA

Angel's "Trumpet". A new annual variety and exceedingly fine, bearing great trumpet-like flowers, 6 to 8 inches long, with double frilled interiors; sweet-scented; plants 4 feet high. Mixed. **Pkt., 10c.**

DELPHINIUM (Perennial Larkspur)

There is perhaps no better known hardy plant than the Delphinium. The beautiful flowers borne on tall stately spikes are a gorgeous sight and a charm to the garden Seeds sown in beds or flats during August, September, October and November will bloom the following spring. Cover the seed lightly and shade the seed bed during August and September. The first transplanting may be made when plants are sufficiently large, spacing them about 6 inches apart. After they have bloomed the first time select the most desirable plants and transplant them to a permanent place in the garden. Spray the plants occasionally with Bordeaux Mixture to prevent Mildew. Seed germinates in about 20 days.

English Wrexham Delphinium



Delphinium

English Wrexham Hollyhock Strain. Their graceful spire shaped spikes of enormous size and beauty of form are rapidly bringing them to the front as the most popular flower for cutting or the garden. This mixture contains all the colors in Delphiniums, including both double and single flowers. **Pkt., 35c; 3 for $1.00.**

Belladonna. This is one of the finest and most continuous blooming hardy Larkspur. The clear turquoise-blue of its flowers is not equaled for delicacy and beauty. They are our best blue cut flowers, are perfectly hardy and established plants produce a number of spikes. **Pkt., 15c.**

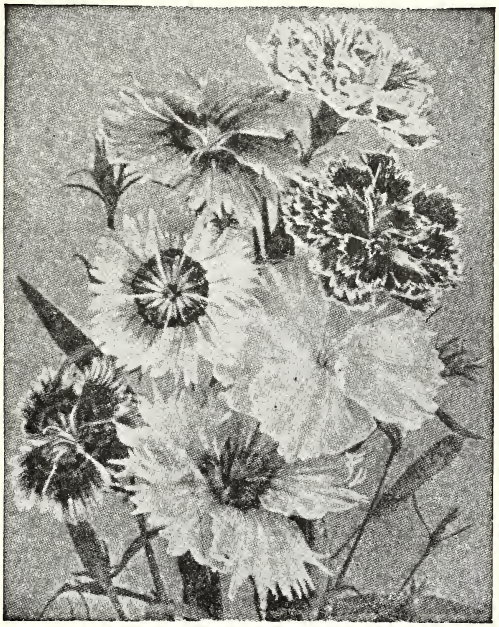
Bellamosa. A dark blue of the type of Belladonna with the color of the old Formosum variety. **Pkt., 15c**

St. L. S. Co.'s Hybrids. The strain we offer is not only replete with a range of remarkably handsome shades, but has the additional quality of giving individual florets of immense size and handsomely formed spikes. The colors range from palest sky blue through such shades and colors as indigo, sapphire, dark blue, purple, violet, corn-flower blue, etc. **Pkt., 15c.**

Chinese Blue. A lovely azure blue Delphinium flowering from the seed the first season if the seed is sown in early spring. The height is twelve to eighteen inches. **Pkt., 10c.**

Chinese White. The white-flowered form of the preceding. **Pkt., 10c.**

Chinese Mixed. A very pleasing mixture containing dark blue, light blue and white. **Pkt., 10c.**



Dianthus or Pinks

DICTAMNUS (Gas Plant)

A very showy hardy border perennial, forming a bush about 2½ feet in height, having fragrant foliage and spikes of curious flowers during June and July. Seed somewhat slow in germinating. Mixed. **Pkt., 15c.**

DIDISCUS

Coeruleus (Blue Lace Flower). An annual, blooming from July until frost; color, pale lavender; excellent for cutting. **Pkt., 10c.**

DIGITALIS (Foxglove)

Handsome and highly ornamental hardy plants of stately growth. Blooms during June and July. 3 to 5 feet.

Giant Mixed. Pkt., 10c ½ oz., 40c.

DOLICHOS (Hyacinth Bean)

A rapid growing annual climber, flowering freely in erect racemes, followed by ornamental seed-pods; for covering arbors, trellises, etc. Sow the seed in the garden in beds where they are to remain. 10 feet.

White. Pkt., 5c; oz., 15c.

Purple. The most beautiful purple. **Pkt., 5c; oz., 15c.**

Mixed Colors. Pkt., 5c; oz., 15c.

Lignosis (Australian Pea Vine). A rapid growing, ever green climber, flowering freely in clusters of rose pea-shaped flowers. For covering arbors, trellises, etc. **Pkt., 10c; ½ oz., 40c.**

DRACAENA (Indivisa) (Dragon Plant)

Beautiful ornamental-leaved plants; long, narrow green foliage; indispensable for vase and house decorations. **Pkt., 10c.**

ERYSIMUM

This Annual Border Plant is one of the sweetest scented annuals in cultivation. It is a beautiful orange yellow. 3 feet.

Perofskianum. The favorite orange coloring. **Pkt.10c**

DIANTHUS or PINKS

The family of Pinks is unrivaled for brilliancy and rich variety of color; the plants are bushy, of symmetrical form—blooming perfectly until fall, rendering them most satisfactory for summer flower gardens. Sow out-of-doors when danger of frost has passed and they will, in several weeks, become a mass of bloom, continuing until frost. Annual.

DOUBLE ANNUAL

Chinese Dble. Mixed (China or Indian Pink). Blooms in clusters, flowers very double and bloom in a large range of bright colors. **Pkt., 5c; ½ oz., 25c.**

Fireball. Extra double brilliant dark scarlet. **Pkt., 10c**

Snowball. Large double white; excellent for border. **Pkt., 10c.**

Laciniatus Fl. Pl. (Double Fringed Pink). Large double flowers, edges fringed; in a great variety of colors. **Pkt., 10c.**

SINGLE ANNUAL

These single sorts contain beautiful varieties, flowers often measuring 2 to 3 inches in diameter, and are very effective for borders or beds.

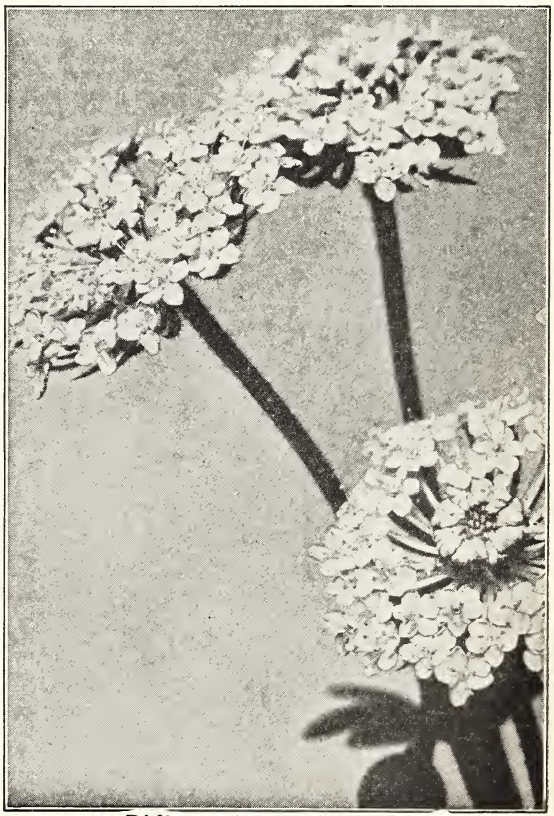
Nobilis (Single Mixed). A beautiful fringed variety. **Pkt., 10c.**

HARDY GARDEN PINKS

Large Flowering Grass or Spice Pinks. These are great improvements over the charming time-honored inhabitants of old-fashioned gardens.

Plumarius Single Mixed (Pheasant's Eye). Pkt., 10c; ½ oz., 35c.

Plumarius Double Mixed. Pkt., 10c.



Didiscus (Blue Lace Flower)

ESCHSCHOLTZIA
(California Poppies)

Beautiful and popular annuals, being of the easiest culture and giving great satisfaction. From Spring-sown seeds they flower profusely until late in the Autumn, making them invaluable bedding plants.

Californica. Bright Yellow. **Pkt., 10c.**

Carmine King. Carmine-rose. **Pkt., 10c.**

Mandarin. Red flowers, orange and scarlet. **Pkt., 10c.**

Mixed. Pkt., 5c; oz., 35c.

EUPHORBIA (Poinsettia)

Variegata (Snow-on-the-Mountain). Is very popular. Green foliage, veined and margined white; 2 to 4 feet; annual. **Pkt., 10c.**

Heterophylla (Mexican Fire Plant or Fire-on-the-Mountain). An annual, resembling the beautiful hothouse poinsettia in habit and color. About 3 feet. **Pkt., 10c.**

Forget-Me-Not

FERNS

A beautiful plant used for foliage, bouquets, etc. Are a favorite everywhere and are very easily grown. Sow seed in rich loam.

Fine Mixed. Greenhouse species. **Pkt., 20c.**

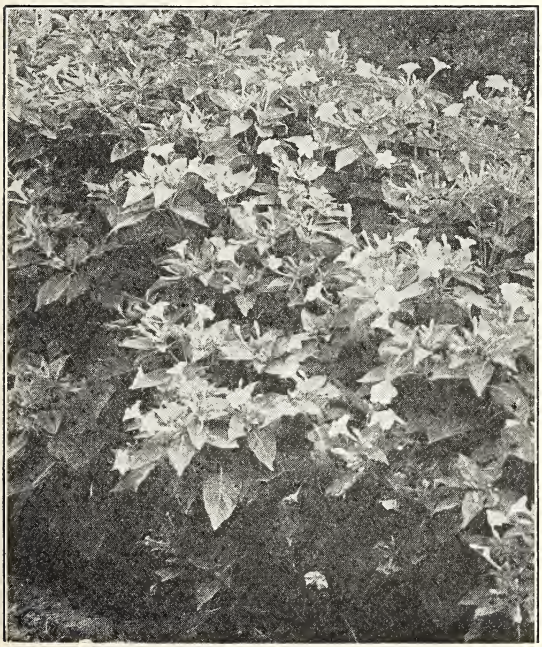
Hardy. Species for outdoor. **Pkt., 20c.**

FEVERFEW (Matricaria)

An old garden favorite. This is the annual Feverfew, and one of the numerous flowers called "Bachelor's Button." Elegant for cutting and bouquet work.

Double White. About 2 feet. **Pkt., 10c.**

Golden Ball. Beautiful yellow. **Pkt., 10c.**



Four O'Clock, or Marvel of Peru

FORGET-ME-NOT
(Myosotis)

These daintily elegant little flowers are hardy perennials that love cool, moist soil, and like pansies, bloom most freely in the Fall and Early Spring.

Alpestris Robusta Grandiflora. This Forget-me-not plant is of compact habit with glossy dark green foliage. **Pkt., 10c.**

Palustris Semperflorens. An ever-blooming variety of the above, beginning in May and continuing till Autumn. Large, clear, blue. **Pkt., 10c.**

Indigo Blue. Early and free-flowering, with the deepest indigo-blue flowers produced on long sprays which are excellent for cutting; 9 inches. **Pkt., 10c.**

Oblongata Perfecta. A very fine variety for forcing. Long stems, deep blue flower. **Pkt., 10c.**

Victoria Dwarf (Alpetris). Bright azure blue. Very early Dawrf. **Pkt., 10c.**

Mixed. A pretty trailer **Pkt., 10c; ¼ oz., 50c.**

FOUR O'CLOCKS

Four O'clocks, or Marvel of Peru. This is another good old-fashioned flower of bushy habit bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Annual **Pkt., 5c; oz., 15c.**

FUCHSIA (Eardrops)

Finest Mixed. This elegant pot variety is one of our showiest plants. **Pkt., 25c.**

GLOXINIA

Gloxinias are most charming greenhouse plants, of dwarf habit. Their flowers are produced in greatest profusion, and of the most exquisite and gorgeous colors, many of which are magnificiently spotted, mottled and blended.

Giant Hybrids, Mixed. Pkt., 25c.

GODETIA (Annual)

They are of a dwarf habit of growth. The flowers are of handsome shape, in the most brilliant as well as delicate colors, and are produced in marvelous profusion. It thrives well in a shady situation. Of easiest culture. **Mixed, Pkt., 10c.**

Gaillardia

GRASSES—ORNAMENTAL

For large beds or groups on lawns used in many of the finest public parks, etc.

Briza Maxima (Quacking Grass). 18 inches. Very beautiful; annual. **Pkt., 10c.**

Coix Lachryma (Job's Tears). 2 ft.; annual. **Pkt.10c**

Gynerium Argenteum (Pampas Grass). The most noble grass in cultivation; 12 ft.; annual. **Pkt., 10c.**

Lagurus Ovatus (Hare's Tail Grass). Bushy and puffy; annual. **Pkt., 10c.**

Eulalia Zebrina (Zebra Grass). 6 ft.; Light green, barred with creamy white, hardy. **Pkt., 10c.**

Pennisetum Rueppelianum. 2 to 3 ft.; annual. **Pkt., 10c.**

Stipa Pennata (Feathered Grass). Hardy, 2 to 3 ft. **Pkt., 10c.**

All Colors Mixed. Pkt., 10c.

GOURDS—ORNAMENTAL

They attain the remarkable growth of from 10 to 20 feet in height and are grown extensively for household as well as ornamental purposes.

Dipper. Useful for many household purposes. **Pkt., 5c.**

Dish Cloth or Luffa. Sponge-like, porous lining is dried and used in the bath or for dish cloth. **Pkt., 5c.**

Hercules' Club. The longest of any. **Pkt., 5c.**

Japanese Nest Egg. Resembles hen's eggs. **Pkt., 5c.**

Pipe Calabash. The stem ends of the fruits are much used in making pipes. **Pkt., 5c.**

Sugar Trough. Very light, but durable. **Pkt., 5c.**

Small Varieties, Mixed. Pkt., 5c; 1 oz., 25c.

GAILLARDIA

(Blanket Flower) Annual Varieties

Showy bedding and border plants, remarkable for the profusion, size and brilliancy of their flowers, blooming the first year and among the gayest ornaments of the garden in summer and autumn. Combinations of yellow and red predominate in the highly colored single and double flower-heads two inches or more across.

Sow seed outdoors early in Spring; cover one-fourth inch deep. Make rows righteen inches apart and thin eight to ten inches apart in the row.

Annual Double. A splendid variety of mixed colors. **Pkt., 10c; ½ oz., 35c.**

Annual Single. Highly colored as the Perennial. **Pkt., 10c; ½ oz., 35c.**

HARDY HYDRID GAILLARDIA

Grandiflora. Showy garden plants for beds or borders, producing from early summer until fall, gaily colored single flowers of scarlet and orange. The flowers should be kept picked to insure a continuance of bloom. Hardy perennial but blooms the first year from early sown seed.

Gr. Fl. Dazzler, Large, dull red flowers. **Pkt., 10c.**

Gr. Fl. Oculata, new light shades with red center. **Pkt., 10c.**

Gr. Fl. Compacta Mixed. Pkt., 10c.

GERANIUMS

These grow readily from seed and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed.

Zonale, Mixed. Pkt., 10c. Apple-Scented. Pkt. 25c

Geranium

GOMPHRENA

Also called "Bachelor's Buttons"; a showy annual, everlasting; flowers resembles clover heads and when dried are used for winter bouquets; fine for bedding. **Pink, purple and mixed. ½ oz., 35c; Pkt., 10c.**

GYPSOPHLIA

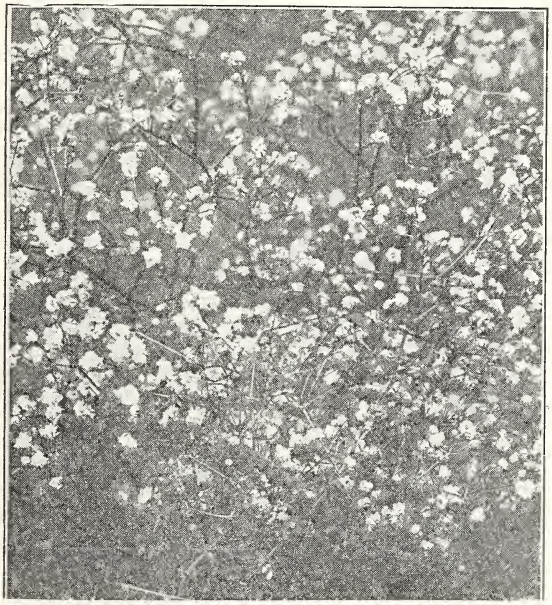
Gypsophilas are valueable for bouquet-making, either green or dried. They are very graceful.

Paniculata (Baby's Breath). Flowers white. Hardy perennial. **Pkt., 10c; ½ oz., 35c.**

Paniculata, Fl. Pl. The new double flowering Baby's Breath. Hardy. **Pkt., 15c.**

Paris Market Elegans Gr. Fl. Pure White. Annual. **Pkt., 10c; ½ oz., 25c.**

Rose Elegans. An elegant variety; rose colored. Annual. **Pkt., 10c; ½ oz.; 25c.**



Helichsysum

GREVILLEA (Silk Oak)

Robusta. A very beautiful and graceful decorative plant with fern-like foliage; excellent for table decoration. **Pkt., 10c.**

HELICHRYSUM (Strawflower)

One of the best and most popular of the ever-lasting flowers; the varieties offered below are all of the Monstrosum type. 2 feet.

	½ Oz.	Pkt.
Canary Yellow	$0.40	$0.10
Fireball—Crimson	.40	.10
Golden Ball—Golden yellow	.40	.10
Carmine Rose	.40	.10
Salmon Pink	.40	.10
Silver Ball—White	.40	.10
Violet Queen	.40	.10
Mixed	.40	.10

HELIOTROPE

St. L. S. Co.'s Giant Mixed. Deliciously fragant, flowering plants, growing about 18 inches high; great favorites for pot culture 1½ feet. **Pkt., 10c.**

HEUCHERA

Sanguinea Splendens. The foliage is evergreen, flowers fiery coral, shading to brilliant crimson. Hardy perennial. **Pkt., 15c.**

HIBISCUS (Marshmallow)

Showy ornamental perennial plant for mixed beds or shrubbery borders, with large and beautifully colored flowers.

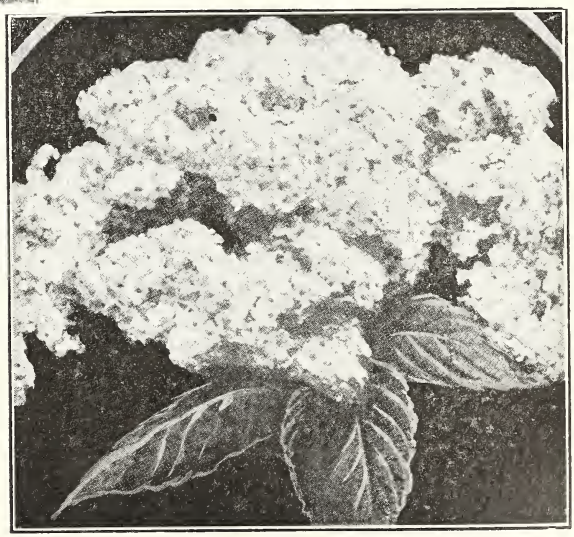
Mallow Marvel. A greatly improved form; gigantic single flowers; many shades of red, pink, purple and white in mixture. **Pkt., 10c.**

HOP

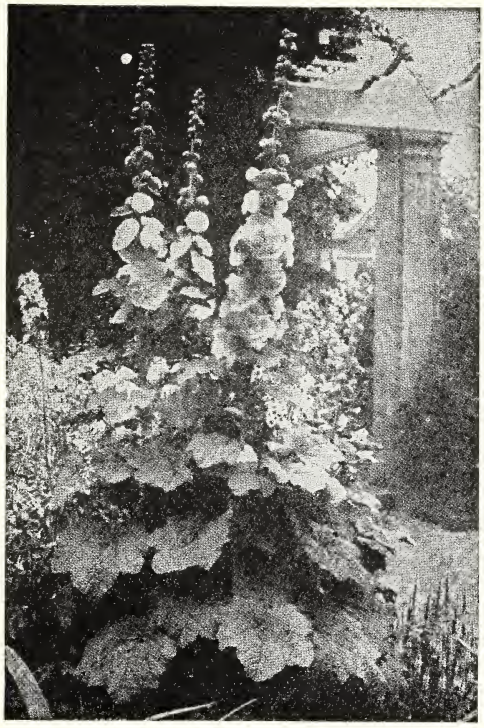
Japanese Variegated. Rapid Summer climber, in three or four weeks' time attaining a height of 20 to 30 feet; annual. **Pkt., 10c; ½ oz., 25c.**

HUNNEMANIA

Fumariaefolia. The plants grow into a shrubbery bush 2 ft. high and produce large cup-shaped flowers; annual. Yellow. **Pkt., 10c.**



Heliotrope



HOLLYHOCKS
(5 to 8 ft. high Hardy)

For a background to a flower garden nothing is better than the improved strains we offer of this tall old-fashioned garden perennial. The large, richly colored blossoms about three inches across, ranging from deep yellow and red to pure white, are set as rosettes around the strong growing flower stalks.

Sow seed in June or July, in open ground and in the autumn transplant to permanent position two or three feet apart. The following summer they will bloom.

Single Mixed. Pkt., 10c; ½ oz., 40c.

Chater's Superb Double. An extra fine strain.

White	**$0.10**	**Rose**	**$0.10**
Crimson	**.10**	**Light Pink**	**.10**
Yellow	**.10**	**Mixed**	**.10**

Hollyhock Annual Everblooming Blooms readily the first year from seed sown in spring. A wide range of colors in large, single and semi-double flowers.

Everblooming Double Mixed. The plants from early sown seed set out in May begin flowering in July; they flower profusely until frost. **Pkt., 10c.**

Everblooming Single Mixed. Pkt., 10c.

HONEST (Moonwort)

Biennis Alba. Hardy biennial admired for its silvery seed pods which are used for ornamental purposes; beautiful and curious; 2 feet. **Pkt., 10c.**

ICE PLANT

Handsome and curious plant for hanging baskets, rock work, vases and edgings. Trailer. **Pkt., 10c.**

IMPATIENS SULTANA

The Zanzibar, or Sultan's Balsam. Ideal for either pot or garden culture; a tender perennial that cannot be surpassed. Rose color. **Pkt., 15c.**

KOCHIA (Burning Bush)

An easily grown foliage or hedge plant which makes a very rapid growth and presents an extremely symmetrical and attractive appearance. Is a mass of moss-like foliage which retains its clean, bright green color until heavy frost. Turns to dull bronze red after heavy frost and blends with the colors of autumn. Hardy annual; about two and one-half feet high.

"Mexican Fire Plant." **Pkt., 5c; oz., 35c.**

KUDZU VINE

A twining vine of remarkably rapid growth, hardy Foliage large and lobed; purple, pea-shaped flowers in clusters, borne late in the season. **Pkt., 10c; oz., 45c.**

LANTANA

Hybrida, Dwarf Mixed. Of dwarf growth, they will be found a great improvement upon the older sort, and a splendid acquisition to our list of window and garden flowers. **Pkt., 10c.**

LAVATERA (Annual Mallow)

Rosea Splendens. A very beautiful and showy annual, growing about two feet high and covered during the entire Summer with large cup-shaped shrimp-pink flowers. **Pkt., 10c.**

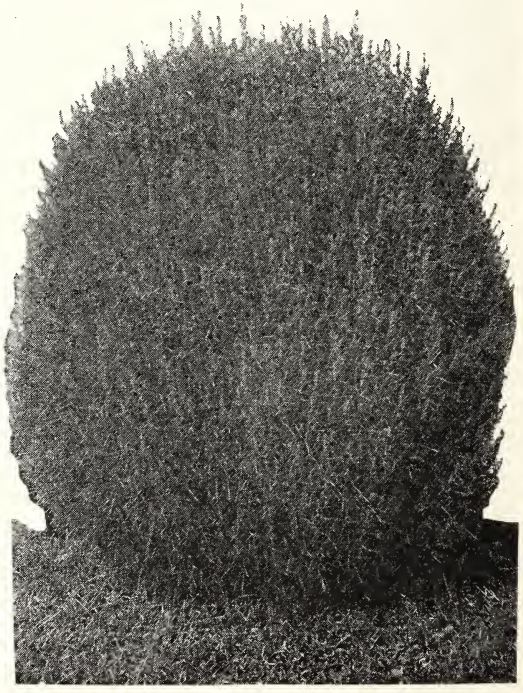
LEMON VERBENA

The seed of this grand old favorite is very scarce. The leaves are delightfully fragrant and refreshing.

Pkt., 15c.

LIATRIS (Burning Star)

Mixed. A showy hardy perennial border plant, with large spikes of Rosy and violet purple flowers; 2 feet. **Pkt., 10c.**

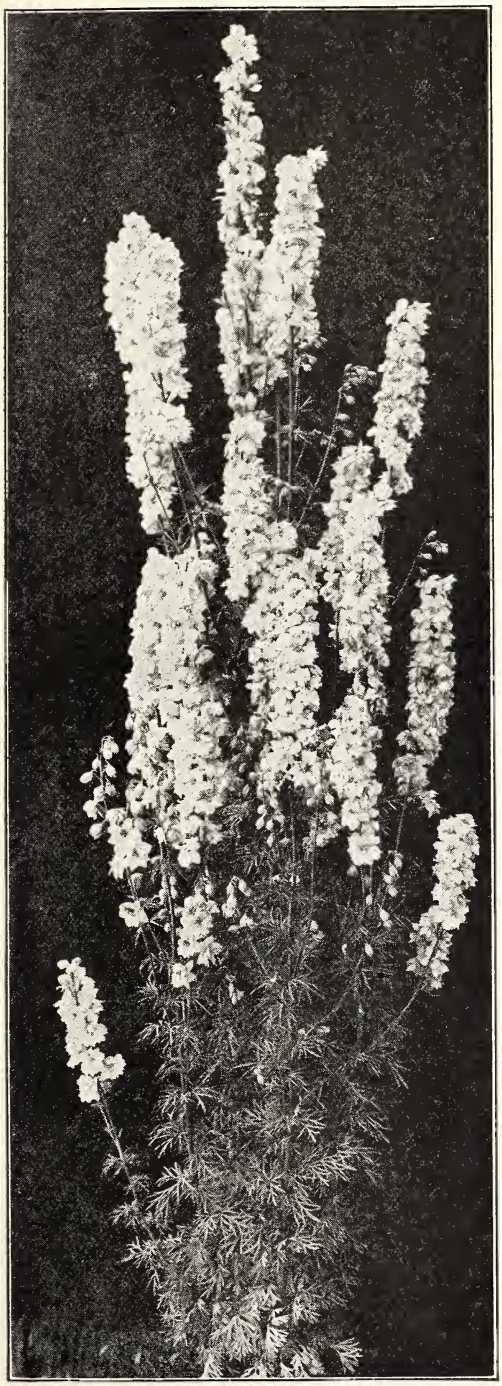


Kochia

LARKSPUR (Annual)

Hardy Lakspur. See Delphinium.

TALL DOUBLE STOCK FLOWERED



Larkspur (La France Pink)

Are the finest strains and produce a wonderful show in any garden. The double flowering varieties, with their long spikes, are excellent for cut flowers. They should be planted in beds, as a background for other small plants. With the great variety of colors one may carry out most any color scheme desired, and the bright shades will add a touch of beauty to the garden that will be a pleasure to note. Seeds sown in the open ground before the close of April will produce flowering plants by the beginning of July.

Double Stock Flowering Tall

	Pkt.		Pkt.
Dark Blue	$0.10	Lustrous Carmine	$0.10
Rose	.10	White	.10
Exquisite Pink	.10	Rosy Scarlet	.10
Lilac	.10	LaFrance Pink	.25
Sky Blue	.10	Mixed ½ oz., 50c	.10
Dwarf Rocket Mixed	.10		

LINARIA

Cymbalaria (Kenilworth Ivy). Very pretty, new variety with light green foliage and violet flowers. Hardy annual. **Pkt., 10c.**

LINUM

Scarlet Flax. One of the most effective and showy bedding plants of long duration, with brilliant scarlet-crimson flowers. Annual. **Pkt., 10c.**

LUPINUS (Lupine)

Annual sorts. Free flowering, easily-grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; perfers a little shade; 2 feet.

	Pkt.		Pkt.
Hartwegii, dark blue	$0.10	Hartwegii, sky blue	$0.10
" white	.10	" roseus	.10
Annual Mixed		½ oz., 25c;	.10

PERENNIAL VARIETIES

A beautiful perennial of easy culture, with graceful spikes of pea-shaped flowers; excellent for cutting; two to 3 feet.

	½ Oz.	Pkt.		½ Oz.	Pkt.
Blue	$0.25	$0.10	White	$0.25	$0.10
Rose	.25	.10	Mixed	.20	.10

LOBELIA

The annual Lobelia are plants of dwarf, compact growth, four to six inches in height, covered with numerous small, star-like flowers. Very pretty when grown as an edging for flower beds, also for hanging-baskets and vases.

Crystal Palace Compacta. Large, deep blue flowers and bronzy foliage. 6 in. **Pkt., 10c.**

Florists' Favorite Compacta. Brilliant dark blue with white eyes. Very dwarf. **Pkt., 10c.**

Sapphire. Trailing Lobelias are also coming much into demand. This variety is of remarkably strong growth and is called Sapphire, as the flowers show the wonderful deep blue of this gem. **Pkt., 15c.**

LYCHNIS (Burning Star)

Hybrida Mixed. Grand hardy perennials. White rose, vermilion. **Pkt., 10c.**

LYTHRUM (Loose-Strife)

Roseum. A fine hardy perennial, producing spikes of rosy-pink flowers, from July to Sept.; 3 ft. **Pkt., 10c.**

Mignonette

MAURANDIA

Mixed. A climber of rapid growth for garden or greenhouse; excellent for baskets, vases or trellises; tube-shaped flowers; 10 ft. **Pkt., 15c.**

MIGNONETTE

This is one of the grandest garden flowers ever produced, and no garden is complete without an assortment of the following varieties. Annual.

Allen's Defiance. Will throw flower stalks of a foot in length and for an unequaled delicious fragrance. Good forcing variety under glass. 1½ feet. **Pkt., 10c.**

Golden Machet. Distinct variety of Machet, with massive spikes of golden-yellow blossoms. **Pkt., 10c.**

Red Goliath. The spikes of flowers are immense, measuring 6 to 8 inches long, 2½ in. in diameter. **Pkt., 10c.**

St. L. S. Co.'s Giant. Of dwarf pyramidal growth, bearing numerous flower stalks; highly colored. **Pkt., 10c**

Large Flowering. Mixed. **Pkt., 10c; ½ oz., 30c.**

MIMULUS

Showy, profuse flowering plants; fine for greenhouse or moist, shady situations; half-hardy perennials, blooming first year from seed if sown early; 1 ft.

Moschatus (Musk Plant). Fine for hanging baskets, etc. Small yellow flowers, fragrant foliage. **Pkt., 10c.**

Tigrinus (Monkey Flower). Fine mixed spotted varieties. **Pkt., 10c.**

MARIGOLD

No flower garden seems complete without this fine old-fashioned garden plant with its brilliant displays of yellow and orange, both tall and dwarf sorts, and with finely cut or entire bright green foliage.

AFRICAN MARIGOLD (Tall)

Lemon Queen. Tall growing plants bearing large, double flowers. Petals quilled. Color soft lemon yellow, Height two to three feet. **½ oz., 50c. Pkt. 10c**

Orange Prince. Of the same type of plant and flower as Lemon Queen, but color is rich, deep orange. Excellent for bedding. Height two to three feet. **½ oz., 50c; Pkt., 10c.**

El Dorado. Double Tall. Flowers about three inches in diameter, **½ oz., 40c; Pkt.10c**

Double Tall, Mixed. A tall mixture well adapted for large beds. About two feet high. **½ oz., 40c. Pkt.10c**

FRENCH MARIGOLD (Dwarf)

Double Dwarf, Golden Ball. Flowers deep golden yellow. Very desirable for edgings and borders. Height about one foot. **Pkt., 10c.**

Double Dwarf, Mixed. A mixture of the three foregoing varieties. **½ oz., 35c; Pkt., 10c.**

Legion of Honor. (Little Brownie). This is a single, dwarf, bushy variety and is very desirable for borders. The plants bear in profusion rich golden yellow flowers with garnet blotches in the center of each petal and are about one foot high. **½ oz., 35c; Pkt., 10c.**

Marvel of Peru. See Four O'Clock on Page 59.

Orange Prince Marigold

MOON FLOWER (Ipomoea)

White, Large Flowering. This greatly improved variety of the popular Moon Flower Vine, produces much larger flowers and in greater profusion, with immense saucer-shaped flowers from 7 to 8 inches across and as glistening white as disks of white satin. They are also softly fragrant. The flowers open about sunset and close the next morning. **Pkt., 10c; oz., 40c.**

Blue Bona Nox, (Evening Glory). Violet flowers. **Pkt., 10c; oz., 35c.**

Giant Pink. The soft lilac-pink. **Pkt., 10c; oz., 35c.**

MORNING GLORIES (Annual)

Imperial Japanese Fringed. Petals are of a large size and blotched with magnificent colorings of different shades and tints. **Pkt., 10c; oz., 20c.**

Rochester. Flowers 4 to 5 inches across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide band around the edges. **Pkt., 10c; oz., 20c.**

Setosa (Brazilian Morning Glory). Setosa is the botanical name of this magnificent Summer climbing annual. The flowers are of beautiful rose. **Pkt., 10c; oz., 25c.**

St. L. S. Co.'s New Japanese Giant. The flowers of this variety are of largest size, often three inches or more across; brilliant red or rich blue. **Pkt., 15c; oz., 35c.**

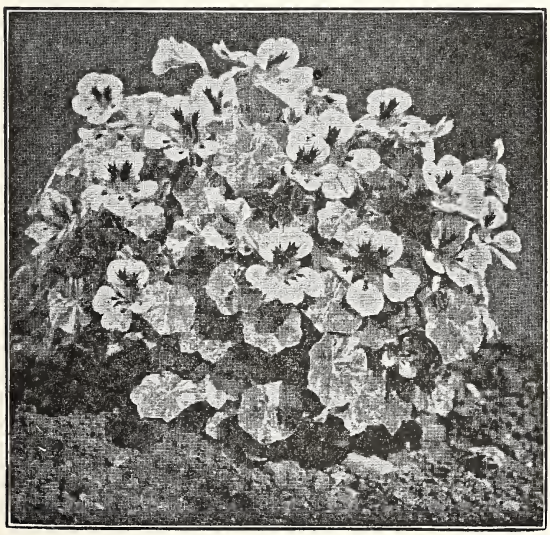
Fine Mixed. All colors. **Pkt., 5c; oz., 15c.**

NASTURTIUMS (Annual)
Dwarf or Tom Thumb Varieties

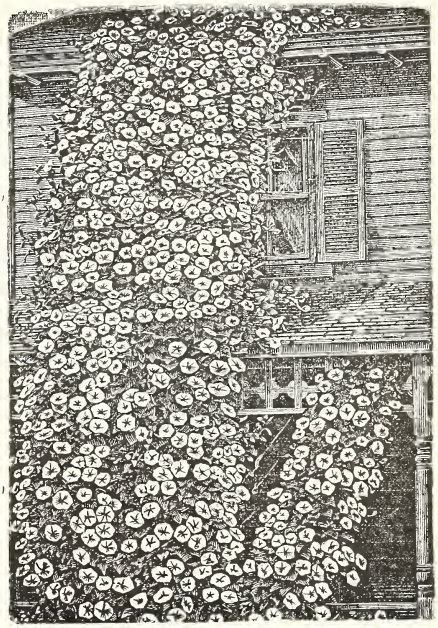
The Dwarf Nasturtiums will always be general favorites, for the reason that they stand any amount of heat and drought, growing vigorously and flowering freely. If the black aphis appears, spray the foliage vigorously with water.

	Pkt.	Oz.
Beauty. Light scarlet, splashed canary	$0.10	$0.15
Cloth of Gold. Rich scarlet	.10	.15
Empress of India. Brilliant crimson; dark foliage	.10	.15
King Theodore. Scarlet-Maroon; dark foliage	.10	.15
Golden King. Rich golden yellow	.10	.15
King of Tom Thumb. Scarlet	.10	.15
Pearl. Pure white	.10	.15
Regelianum. Deep, purplish crimson	.10	.15

One package each of the above eight varieties, 50c.



Shaw's Garden Hybrids



Moon Flowers

SHAW'S GARDEN HYBRIDS

The prettiest strain of Dwarf Nasturtiums—worth ten times the price of the ordinary mixed. There's really no comparison in the beauty and color of the flowers. **Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., $1.75.**

Fine Dwarf Mixed. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., $1.25.

HYBRIDS OF MME. GUNTHER

Climbing about six feet and covered from Spring to Fall with large substantial flowers of the most brilliant shades. **Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., $1.75.**

Fine Mixed. Tall. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., $1.25.**

NEMESIA

Dwarf Mixed. A splendid annual, with large flowers varying in color from creamy white to deep orange and carmine; fine for bedding; 18 inches. **Pkt., 15c.**

NEMOPHILA

Splendid, free flowering hardy annuals, of very neat compact habit. Flowers are cup-shaped, appearing in many brilliant colors, the blue shades being particularly striking. **Pkt., 10c.**

NICOTIANA (Ornamental Tobacco)

A beautiful hardy annual, fine for its sweet-scented and ornamental leaves.

Affinis. An annual with sweet-scented, pure white star-shaped flowers, 3 inches across; 2 to 3 feet high. **Pkt., 10c.**

Sanderae. A Brazilian novelty, the entire bush being covered with large brilliant carmine red flowers. Height of about 2 feet. **Pkt., 10c.**

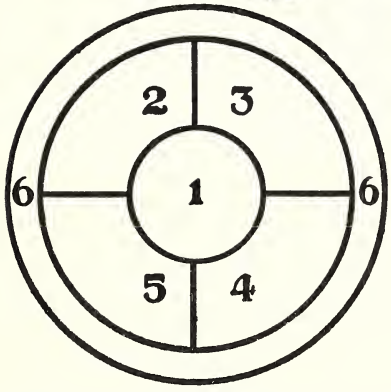
NIGELLA (Love in a Mist of Devil in the Bush)

A compact free-flowering plant with finely cut foliage, curious looking flowers and seed pods; 1 foot.

Double Blue. Pkt., 10c; Mixed. Pkt., 10c.

OENOTHERA (Annual) (Evening Primrose)

They grow in branching form 1 to 2 feet in height and produce single poppy-like flowers of white, yellow, rose color, etc. **Mixed. ½ oz., 25c; Pkt., 10c.**



EARLY FLOWERING SWEET

(Scented Mixed)

This new race of Pansies promises to be an important introduction on account of the extreme hardiness of the plants and in consequence their earliness in flowering. With slight protection, such as meadow hay, leaves or similar material, full-grown plants winter over in the open ground. **Pkt., 10c.**

SPECIAL OFFER TO PANSY LOVERS

This diagram when properly laid out as shown in illustration, and sown with the following named varieties as per their respective numberings. **This collection will produce a bed 6 feet in diameter.**

SEPARATE COLORS

All Giant-Flowered Varieties

		Pkt.
No. 1.	**Snowflake**—White	$0.10
No. 2.	**Faust**—Black	.10
No. 3.	**Lord Beaconfield**—Blue and white.	.10
No. 4.	**Fire King**—Golden yellow	.10
No. 5.	**Emperor William**—Azure blue	.10
No. 6.	**Gold Elsie**—Pure yellow	.10

One each of the above varieties, to plant as shown in diagram, mailed, postpaid, for 40c.

Pansy Plants Ready April 1st. Price: 12 plants, $1.00 (By Express Only).

PANSIES

Sow the seeds in drill, covering them not more than four times their diameter, and firming the soil well above them. Seeds sown in April or May will produce blooming plants by the last of June, which will give an abundance of flowers throughout the remainder of the season. About the middle of August is the best time for starting pansy seeds for early Spring blooming.

Exhibition. This wonderful Giant Pansy we offer as our leader. The colorings of this pansy are mixed, there being no end to the numerous shades which nature has endowed upon this gigantic marvel, every petal being a veritable display of shades and coloring in itself. **Pkt., 25c.**

Steele's Miracle Mixed. They offer a super mixture containing all the finest types including ruffled flowers and many of our new sunburst pansies, smoky rims, henna shades, with fine long stems. **Pkt., 35c.**

Masterpiece. This grand Giant Pansy is remarkable in having the borders of the petals waved or frilled which gives the flower an almost double appearance. **Pkt., 15c.**

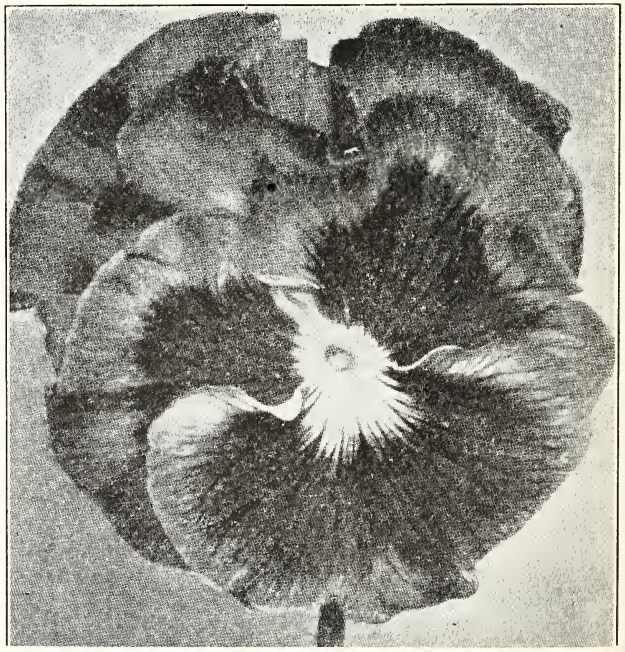
St. L. S. Co.'s "Nonpareil" Mixture. The flowers are of a large size and the plants grow more compactly bushy than other mixtures. We have the best mixture of the European specialists who raise it. **Pkt., 20c.**

Imperial Giant Mixed. They embrace all the solid or self-colors, delicately shaded, of various colors, dark and light marbled varieties, flowers with clear, distinct eyes. **Pkt., 15c.**

Trimardeau Giant Mixed. Extra large flowers, but not of such perfect form as the Imperial Giant. Most of the flowers have three large blotches or spots. **Pkt., 10c; ¼ oz., 75c.**

Fine Mixed. Pkt., 5c; ½ oz., 40c.

Tufted Pansies, or Violas. While the flowers of the Tufted Pansies are not so large as the regular type, yet they bloom so freely that they are superior to pansies where **effect** is wanted, the colors being particularly clear and distinct; they also bloom for a longer time. **Pkt., 10c.**



Steele's Mastodon Miracle Pansy

PETUNIAS (See Pages 68, 69)

PENTSTEMON (Beard Tongue)

The large Gloxinia shaped blossoms vary from pure white, pink, rose and crimson to mauve and purple, including many which are beautifully edged. Hardy perennials. Height, 2 feet, Mixed. **Pkt., 10c.**

PERILLA (Annual)

Laciniata. A beautiful showy plant. Highly prized for its foliage, producing leaves similar to the Coleus. 1½ ft. **Pkt., 10c.**

PHACELIA CAMPANULARIA

An attractive and easily grown native annual. The flowers are bell shaped and a deep rich blue in color. It blossoms freely during the early spring. May be used for beds or borders. Height one foot. **Pkt. 10c.**

PHYSALIS FRANCHETII

(Chinese Lantern Plant)

This hardy biennial plant grows to a height of about 2 ft. and is a profuse bloomer, producing large flowers of a beautiful brilliant orange red color, resembling Chinese lanterns in shape. **Pkt., 10c.**

Physalis (Chinese Lantern Plant)

PHYSOSTEGIA (False Dragon Head)

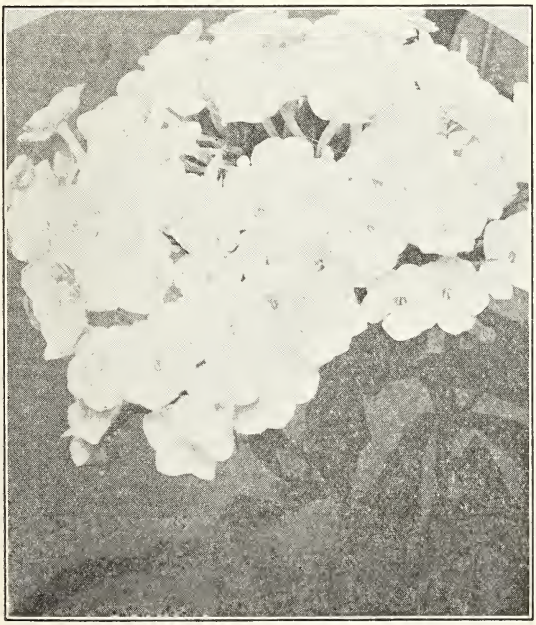
A very pretty perennial; dense bushes, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August.
Virginica. Pink. **Pkt. 15c.**

POLEMONIUM (Jacob's Ladder)

Coeruleum. Popular hardy perennial border plant, with bell-shaped bluish-purple flowers nearly 1 inch across; 2 feet. May to July. **Pkt. 10c.**

PLATYCODON (Wahlenbergia)

Hardy perennials, bearing large, broad, bell-shaped blue flowers; very handsome for garden decoration.
Grandiflorum, Blue. Hardy. 2 feet. **Pkt., 10c.**



Phlox

PHLOX DRUMMONDI

It occupies a first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants. Unequalled in the magnificent display of their many and brilliantly colored flowers. The plants are hardy bush-like annuals with many broad, flat-topped clusters of nearly round and star-shaped flowers. They are of easiest culture and bloom profusely through a long season.

Seed is usually sown very early in spring outdoors in rows one foot apart. A sunny situation is desirable. Well pulverized soil, preferably rich and mellow, should be used and the seed, which germinates rather slowly, covered with about one-fourth inch of fine soil firmly pressed down. Thin to four inches apart. For very early blooming, seed may be sown outdoors in fall, or started indoors and transplanted early in April. Hardy annual; one foot high.

	½ Oz.	Pkt.
Large Flowering—White	$1.00	$0.10
" " Scarlet	1.00	.10
" " Shell Pink	1.00	.10
" " Deep Rose	1.00	.10
" " Dark Purple	1.00	.10
" " Fiery Red	1.00	.10
" " Mixed	1.00	.10

Starred and Fringed Mixed. Very odd and pretty effect. **Pkt., 10c.**

Fine Mixed. Bright, showy flowers. Good for cutting; 1 foot. **Pkt., 5c; ½ oz., 50c.**

PHLOX (Dwarf)

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

	Pkt.
Fireball—A fine scarlet	$0.10
Rose Pink	.10
Snowball—Pure White	.10
Dwarf Mixed—All colors	.10

PHLOX PERENNIAL

Hardy Perennial. Fine herbaceous perennial for beds or mixed borders. Mixed. **Pkt., 15c.**

Rosy Morn

PETUNIAS

For outdoor decoration, porch or window boxes few plants equal the Petunia in effectiveness. They commence flowering early and continue a sheet of bloom throughout the whole season until killed by frost; easily cultivated, only requiring a good soil and sunny position. It is best to sow them indoors and transplant to the open in May. The Single Bedding kinds can be sown out of doors in May.

SINGLE BEDDING PETUNIAS

All of the following are wonderfully effective in beds, borders, window boxes, etc. 18 inches high.

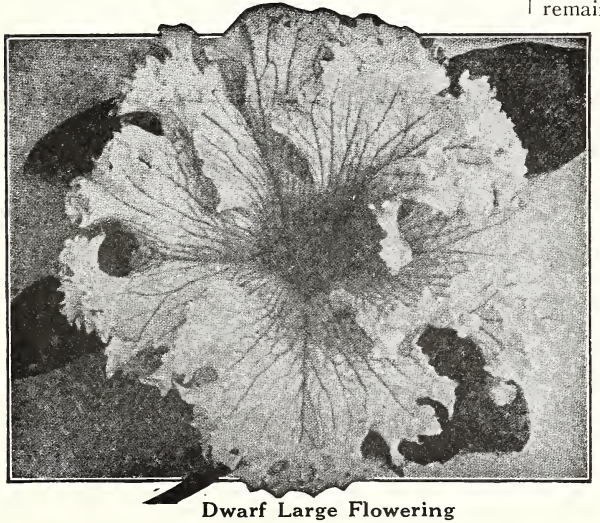
Howard's Star. A beautiful free-flowering strain, color crimson, maroon with a clearly-defined five-pointed star of bluish white. **Pkt., 10c.**

Extra Choice Mixed. A very choice strain, made up from named large-flowering sorts. A very fine Bedding variety. **Pkt., 10c; ½ oz., $1.25.**

Fine Mixed. Good bright colors. **Pkt., 5c; ½ oz., 40c.**

PETUNIAS DWARF BEDDING

These plants only grow about eight inches high and while branching freely from the base they nevertheless remain quite compact,



Dwarf Large Flowering

Dwarf Large Flowering. Our new dwarf mixed Petunia will doubtless be especially welcome to growers as a pot plant, but will also prove of immense value for the laying out of flower beds and borders. **Pkt., 35c.**

Crimson. A beautiful deep red. Of compact growth, **Pkt., 10c.**

Rose of Heaven. Rose Pink. **Pkt., 10c.**

Rosy Morn. Soft carmine pink with white throat; makes a very dainty and at the same time effective border. **Pkt., 10c; ½ oz., $1.75.**

Snowball. A fine, compact sort, producing its pure satiny-white flowers. **Pkt., 10c.**

Violet. Very compact **Pkt., 10c.**

Blotched and Striped. They flower in a few weeks' time from seed **Pkt., 10c.**

Dwarf Mixed. Splendid dwarf varieties; large flowering. **Pkt., 10c; ½ oz., $1.00.**

PETUNIAS

GIANT FRINGED & RUFFLED

The "Giants of California" bear gigantic flowers often five or more inches in diameter, of an astonishing variety of colors. They embrace every conceivable shade of crimson, pink, lavender, yellow, black, pure white, etc. One of the chief points of excellence is the deep throat and diversity of veining in the throat. Many of the flowers have a clear yellow throat, while others have a pure velvety black one, so deep that it seems to show no veining; many are deeply lined and netted, on a white, pink or lavender ground. Flowers are beautifully ruffled and frilled.

Giants of California. The richest colors, the largest flowers and the finest markings of all Petunias. Flowers of gigantic size, many of them measuring 5 inches in diameter and of an astonishing variety of colors. **Pkt., 15c.**

Dwarf Fringed Large-Flowering. The plants, though branching freely from the base, rarely exceed 8 inches in height and form dwarf, compact little bushes which carry, well above the foliage, numerous large fringed-edge flowers of all the beautiful Petunia colors. Mixed. **Pkt., 25c.**

Ruffled Giants. Flowers of extraordinary size and substance, and distinguished from the large flowering fringed section by the deep fluting, giving the apperaance as if artificially ruffled. **Pkt., 25c.**

Ruffled Giant Petunia

GIANT PORTLAND PETUNIAS

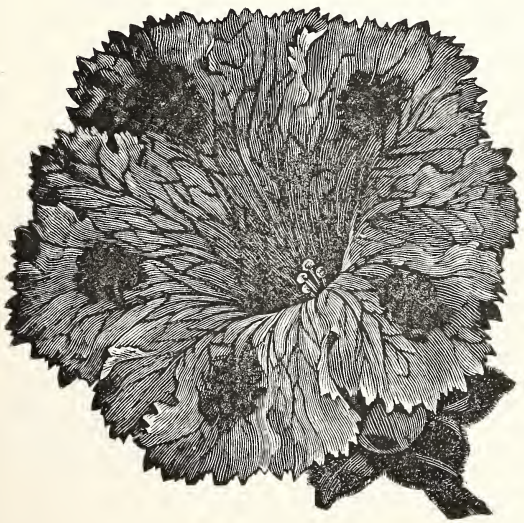
For planting of veranda boxes and for choice potted plants or for bedding out these Petunias in select colors, never fail to please.

Elk's Pride. Large size; deep royal purple. **Pkt., 15c.**

Pride of Portland. Large deep rose pink fringed flowers. **Pkt., 15c.**

Scarlet Beauty. Flowers fringed; color, shading from cherry red to deep maroon. **Pkt., 15c.**

Mixed Colors. Pkt., 15c.



BALCONY PETUNIAS

For parkway planting or solid beds in the garden those small flowered Petunias will give an unbroken display of color throughout the entire season. The flowers are small in size, but lavishly borne. This strain is also of great value for window box work, as the plants are not so compact in habit as those of the preceding class.

Balcony Blue ..... **Pkt., 15c.**
Balcony Rose ..... **Pkt., 15c.**
Balcony Crimson ..... **Pkt., 15c.**
Balcony Mixed ..... **Pkt., 15c.**

DOUBLE PETUNIAS

We take great pride in offering our double Petunias. They have never been surpassed in beauty, size, form or color, if ever equaled. Selection in crossing every flower was made with the greatest care and thought, and the results are a surprise even to ourselves.

It would be impossible to describe at length the many varieties in form and color, pink, snowy white, violet, lavender, mauve, crimson, plain and shaded with variegations in all these shades innumerable.

Double Flowering, Fringed Mixed. It is well known that seed saved from the most carefully hybridized flowers produce but a small percentage of double flowers, the balance being single of unusually fine quality. **Pkt., 25c.**

Portulaca

POPPIES (Annual)

Annual poppies should be sown as early in the spring as possible where they are to remain, as they do not stand transplanting. Sow very thinly.

American Legion. This new single poppy of the Shirley type is a dazzling orange-scarlet of immense size, borne on long, stout stems. **Pkt.10c**

Danebrog, or Danish Cross. Very showy variety, producing large flowers of brilliant scarlet, with a silvery-white spot on each petal, forming a white cross. **Pkt., 10c.**

Double Cardinal. Round as a ball, red as fire. The flowers are of very large size and finely fringed. In color it is a glowing cardinal scarlet. Height, 16 inches. **Pkt., 10c.**

Double Carnation-Flowered. Large, showy flowers. 2 ft. Mixed. **Pkt., 5c; ½ oz., 20c.**

Shirley-Mixed. This magnificent species sports to numberless shades of color, from pure white to rose pink, carmine and deepest crimson. **Pkt., 10c; ½ oz., 25c.**

Tulip Flowered Scarlet. Large, bright scarlet flowers. The two outer petals of the flower form a tulip cup. Strikingly beautiful. About 1 foot. **Pkt., 10c;; ½ oz., 50c.**

POPPIES (Hardy Perennial)

Iceland Mixed. White, salmon, rose and orange, with yellow stamens. Petals delicately fringed. Dwarf. **Pkt., 10c.**

Oriental Hybrids. Large, showy flowers, ranging in color from orange-scarlet to crimson. Very brilliant. About 2½ feet. **Pkt., 10c.**

PORTULACA

Sometimes called Moss Rose. Few flowers make such a dazzling display of color in the bright sunshine as a bed of portulacas. The glossy cup-shaped single flowers and rose-like double flowers, about one inch across, range through many shades of red, white, pink, orange, yellow, striped, etc. Plants low growing or creeping with thick, fleshy stems tinged with red and small quill-shaped leaves. Desirable also for edgings. They are in bloom through a long season.

Sow seed outdoors, after weather is warm and settled, where the plants are to stand in rows one foot apart.

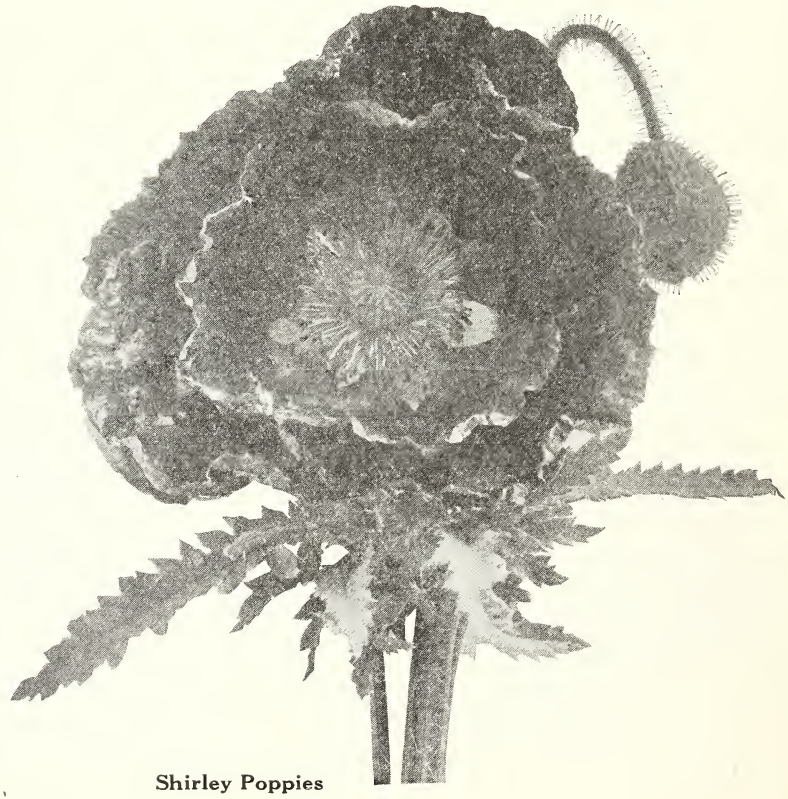
Large Flowering Single Mixed. Pkt., 5c; oz., 50c.

Double Fine Mixed. All colors mixed. **Pkt., 10c; ¼ oz., 60c.**

POTENTILLA

(Flowering Strawberry)

A beautiful border plant, flowers from yellow to bright red. Leaves resemble strawberry plants. An unexcelled plant for border and neutralizing effect. Hardy. 1 ft. Double sorts mixed. **Pkt., 10c.**



Shirley Poppies

PRIMULA (Primrose)

Obconica Gigantea. If sown early in the Spring the seedlings will commence to bloom in May or June. **Pkt., 15c.**

Malacoides. A fine house-plant; flowers delicate lilac. **Pkt., 15c.**

Chinensis (Chinese Primrose). Our mixture includes all the choicest colors of the single flowering Primulas in all their dainty shadings. **Pkt., 25c.**

PRIMROSE—HARDY

These are among the best of the early Spring-blooming plants. With a slight protection they will stand the Winter, but will do better if protected by a cold frame.

Auricula. The fragrant flowers of many rich colors are borne in clusters on the top of stalks 4 to 6 inches long. **Pkt., 10c.**

Polyanthus Veris. Fine for either pot or outdoor culture; hardy perennials; 9 inches. **Pkt., 10c.**

Vulgaris. True Yellow. **Pkt., 10c.**

PYRETHRUM (Feverfew)

Roseum Grandiflorum Single Mixed. Flowers of enormous size, ranging in color from light pink and rose to deep carmine; hardy. **Pkt., 10c.**

Aureum (Golden Feather). Yellow foliage. Hardy annual. **Pkt., 10c.**

RHODANTHE (Everlasting)

Mixed. Fine for outside border, or for greenhouse flowering during the Winter. **Pkt., 10c.**

RICINUS (Caster Oil Bean)

Zanzibariensis. Surpasses all in size and beauty of colors, which include glaucous-green, coppery brown, metallic red, brownish purple, red maroon and bronze, 8 to 10 ft. **Pkt., 5c; oz., 15c.**

Borboniensis Arboreus. The tallest of the Ricinus family. 15 ft. **Pkt., 5c; oz., 15c.**

Red Spire. A very effective variety, with bronzy green foliage and rosy crimson seed spikes, 6 ft. **Pkt., 10c; oz., 25c.**

Gibsoni. Purplish leaves and stems, 6 ft. **Pkt., 5c; oz., 15c.**

Mixed. Sorts Pkt., 5c; oz., 15c.

Ricinus, or Caster Oil Plant

Primula

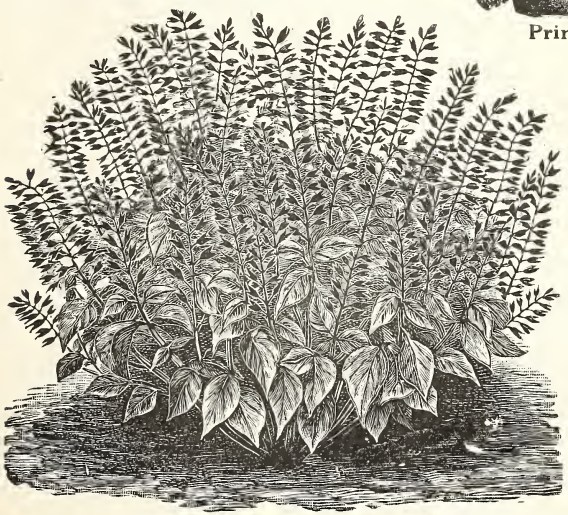
RUDBECKIA
(Golden Glow) (Cone Flower)

Newmanii. An effective, hardy, perennial sort. producing in masses during August and September brilliant orange-yellow flowers, 3 feet. **Pkt., 10c.**

Purpurea (Giant Purple Coneflower). Hardy perennial; large showy, reddish purple flowers, with dark brown disc; 3 feet. **Pkt., 10c.**

SALVIA (Scarlet Sage)

THE Salvia is among our most popular and useful bedding plants. There is nothing more effective in the midsummer or fall than these bright scarlet flowers. Seeds should be started either in the house or in hotbeds from February till April. Seed may also be sown in the open ground in May, about 3 feet high.



Salvia

America (Globe of Fire). It being of a dwarf bushy habit, filling a want where other varieties attain too great a height. Plants grow about 15 inches high. **Pkt., 15c.**

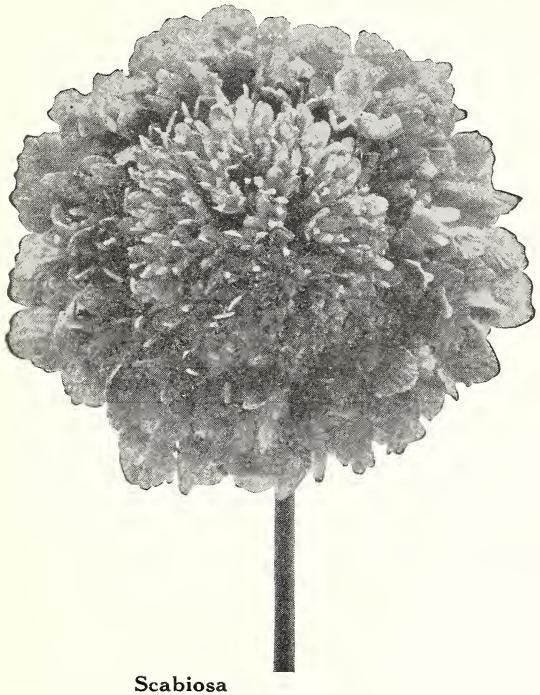
Bonfire. Its erect spikes of brilliant scarlet flowers stand clear above the dark green foliage and completely cover the plant. It attracts immediate attention in the garden. **Pkt., 10c.**

Fireball. The most compact type of Salvia yet introduced. Splendid for beds or borders, of somewhat dwarf habit. **Pkt., 15c.**

Splenden's Grandiflora Scarlet. A rich-flowered border. 3 ft. **Pkt., 10c; ¼ oz., 75c.**

Zurich. Plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost. 18 inches. **Pkt., 15c.**

Farinacea. A perennial variety, but best treated as an annual, blooming from July to frost from Spring sown seed; color, light blue; 2 ft. **Pkt., 10c.**



Scabiosa

SILENE (Catchfly)

Very pretty dwarf plants, used mostly for borders; thriving in almost any common soil and easy of cultivation. Annual. 6 in. **Pkt., 10c.**

SMILAX

In many respects the smilax is the most useful and it is certainly one of the most graceful climbers. Green-house climber. **Pkt., 10c.**

SOLANUM (Jerusaleum Cherry)

This is a very useful pot plant for winter decoration. It is of the dwarf branching habit; leaves small and oval shaped, bearing in the greatest profusion bright, scarlet, globular berries.

Capsicastrum Nanum. A beautiful decorative variety. **Pkt., 10c.**

STATICE

The flowers are borne in racemes on long graceful stems and may be cut and dried like everlastings; for this purpose they should be dried in a cool and shady place hung up by the stems to keep their natural shape. Sow the seed indoors during March or April and transplant to open ground after danger of frost is past. Height of plants two to two and one-half feet.

Latifolia—Blue..... **$0.10**
Sinuata Rosea..... **.10**

STEVIA

Serrata. Free blooming plants for Summer or Winter; bearing a profusion of fragrant white flowers; excellent for cutting; 2 ft. **Pkt., 10c.**

SALPIGLOSSIS (Painted Tongue)

As pot plants they are elegant and for cut flowers for vase and boquets they are unsurpassed.

Large Flowering (Painted Tongue). Yellow, rose scarlet, light blue, purplish violet mixed. **Pkt., 10c.**

SAPONARIA (Bouncing Bet)

Rose. Splendid hardy perennial rock plant; bright rose colored flowers; 9 inches. **Pkt., 10c.**

SCABIOSA

(Mourning Bride, Sweet Scabiosa,

They grow about 2½ feet high, and come into bloom early in July, and continue without interruption until hard frost. Annual.

	Pkt.		Pkt.
Crimson.....	**$0.10**	**Shasta White**...	**$0.10**
Black-Purple....	**.10**	**Giant Peach Blossom**.....	**.10**
Rose.....	**.10**	**Mixed**.....	**.10**
Lavender.....	**.10**		

Caucasica (Blue Bonnet). One of the most handsome of hardy perennials, especially valuable for cutting lilac-blue; 3 feet. **Pkt., 10c.**

Shata Daisy. See page 56.

SCHIZANTHUS

Large-Flowered Mixed. As Pretty as miniature Orchids. Forming compact pyramidal plants a foot high, literally covered with large, beautiful orchid-like flowers. Annual. **Pkt., 15c.**

SENSITIVE PLANT (Mimosa Pudica)

A curious and interesting plant with pinkish white flowers; the leaves close when touched or shaken. 1½ feet. The favorite variety. **Pkt., 10c.**

Salpiglossis

STOKESIA (Hardy)

Highly valuable for cutting, supplying a shade of coloring not overly plentiful at any season of the year. **Cyanea (Blue).** The earliest and best sort. **Pkt., 10c.**

SUNFLOWER

(Helianthus)

Far superior to common Sunflowers. The large rich golden yellow flowers are produced on each branch. Makes a beautiful hedge. Annual.

Golden Ball. A beautiful large double variety. **Pkt., 10c; oz., 45c.**

Dwarf Double. Similar to the above variety, only of a dwarf nature with variegated leaves. **Pkt., 5c; oz., 35c.**

SINGLE FLOWERING SORTS

The single Sunflowers are indispensable for cutting. Sown on a sunny spot in April or May, they come into bloom early in summer.

Red. This new Sunflower we believe to be a novelty of real merit, and feel sure it will come into general use. Planted a border or in front of taller shrubbery or along a wall, they are very showy. **Pkt., 10c; oz.,75c**

Stella (Improved Miniature Sunflower). Differs from the above by its large and better formed flowers of the purest golden yellow, with black disc. **Pkt.,10c**

STOCKS

Sometimes called Gilliflower. Considered almost indispensable where a fine display of flowers is wanted and particularly valued for edgings, bedding and pot culture. The improved varieties we offer of this favorite garden plant produce dense spikes of very fragrant and beautiful rosette-like double flowers in a wide range of attractive colors. They are suitable for cutting.

Red Sunflower

Stocks

STOCKS CUT-AND-COME-AGAIN

Splendid perpetual-blooming class; sown in March or April they begin flowering in July, continuing until frost, and are especially valuable during September and October, when other flowers are scarce.

	Pkt.
Princess Alice. White	$0.10
LaFrance. Rose	.10
Brilliant. Blood-red	.10
Sapphire. Dark Blue	.10
Creole. Creamy yellow	.10
May Queen. Delicate Lilac	.10
Finest Mixed. All colors	.10

Giant. Bismarck Ten Week Stocks.

An especially meritorious class. These stocks are Giant; growing from 24 to 30 inches tall, of branching habit producing innumerable large spikes measuring 12 to 16 inches long, coming into bloom in 10 to 12 weeks.

	Pkt.
Chamois. Ivory, tinted old rose	$0.10
Blood Red. Fine	.10
Lavender. (Mauve Lavender)	.10
Rose. Deep rose pink	.10
White	.10
Mixed	.10

STOCKS TEN WEEKS

Dwarf 10 Week Mixed. Pkt., 10c; ½ oz., $1.00.

SWEET ROCKET (Hesperis)

Mixed. An excellent perennial for naturalizing among shrubbery or for planting in a permanent border; fragrant white and purple flowers in mixture; 2 to 3 feet.

Seed germinates readily in open ground if sown after danger from frost is past. Hardy perennial.

Fine Mixed. Pkt., 10c.

EARLY FLOWERING SPENCER SWEET PEAS

A COMPARATIVELY new class of Sweet Peas that is rapidly becoming prominent for Winter flowering indoors. The flowers are large of the same form as the Spencers and are beautifully waved or frilled. When planted out of doors they will commence blooming a month or more earlier than the late flowering varieties planted at the same time.

For the aphis or plant louse, spraying with solutions of some nicotine or whale-oil soap is usually effective; and for the Red Spider, which also causes trouble at times, spraying with pure water is usually sufficient. A frequent change of location has also been found important.

	Pkt.	Oz.
Angelus. Salmon pink of a soft light tone with a ground of very light cream	$0.15	$0.50
Aviator. The color a glowing poppy scarlet	.15	.50
Blue Bird. A charming shade of blue	.15	.50
Orange. True glowing orange	.15	.75
Columbia. Color, pink and white	.15	.50
Eldorado. A pure orange salmon; early ever-blooming	.15	1.00
Glitters. The color is a bright fiery orange salmon	.15	.50
Heather Bell. Color a rich mauve lavender	.15	.50
Harmony. An exceptionally choice clear lavender	.15	.50
Madonna. Finest large white free bloomer	.15	.50
Mrs. Kerr. A rich salmon overlaid or suffused with orange	.15	.75
Rose Dore. Rose pink, suffused orange	.15	.50
Rose Queen. The flowers are borne on long stems, are of large size	.15	.50
Superior Pink. The blooms are of a most attractive form bold with well waved standards	.15	.75
Snowstorm. This is by far the finest of all white varieties	.15	.50
Sweet Lavender. Pure Lavender	.15	.75
Vulcan. The color is the most vivid scarlet ever seen in sweet peas	.15	.50
Yarrawa. Flowers exquisitely waved. Color a pleasing shade of bright rose pink	.15	.50
Zvolanek's Blue. Of the blue jay color, considered one of the very best blues	.15	.50
Zvolanek Rose. Beautiful self rose color. Holds its color to the last and is a free bloomer	.15	.50
Mixed. All colors, named varieties	.10	.35

SPENCER SWEET PEAS

Austin Frederick. Giant lavender	$0.10	$0.25
Charity. Scarlet crimson	.10	.25
Constance Hinton. White	.10	.25
Countess Spencer. Bright shade of pink	.10	.25
Defiance. A fine scarlet	.10	.25
Elfrida Pearson. Giant shell pink	.10	.25
King White Spencer. Pure white	.10	.25
Margaret Atlee. Rosy salmon buff	.10	.25
Mrs. Cuthbertson Spencer. Rose-pink wings white	.10	.25
Mrs. Tom Jones. Best azure blue	.10	.25
Royal Purple Spencer. A rich purple	.10	.25
St. L. S. Co. Spencer Mixture	.10	.15

¼ lb., 50c; 1 lb., $1.75.

PEAS PERENNIAL

(Lathyrus latifolius) An easily grown, hardy perennial climber with smaller flowers lacking the fragrance of Sweet Peas, but producing for many weeks a succession of blossoms in clusters of eight to ten each. Only a few flowers can be expected the second season but in the third and fourth, the plants then being well established, an abundance of foliage and blooms is afforded. The plants die down late in the fall and start again in the spring.

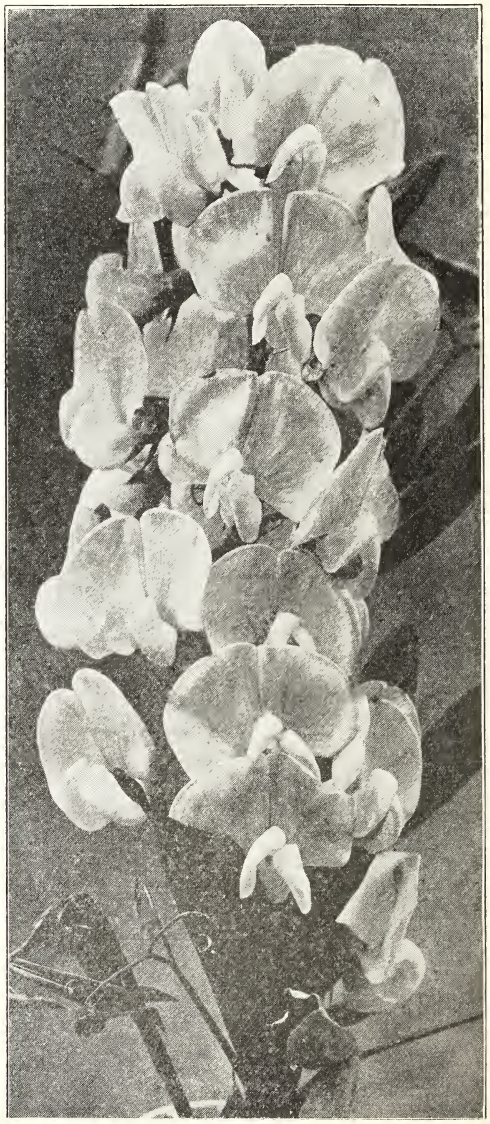
	Pkt.		Pkt.
Pink	$0.10	**White**	$0.10
Red	.10	**Mixed**	.10

ST. L. S. CO'S. "NOVELTY" COLLECTION

Ten big packets of the famous Spencer Varieties.

If you care at all for these pretty flowers, do not fail to save a place in your garden for our "Novelty" collections of Spencers. The cultural directions with each collection give full explanation how to grow these flowers to perfection. Include one of these collections with your next order.

10 Pkts., 50c, postpaid.



Perennial Sweet Peas

SWEET WILLIAM (Dianthus-Barbatus)

A well known, extensively used, sweet scented perennial for bedding and borders, forming fine clumps in any good garden soil and under proper conditions lasting for several seasons. They produce a succession of flower clusters, thus affording splendid bloom for several weeks. The florets are handsomely colored and marked and are borne on stiff stems in great profusion, forming dense round topped heads or clusters, often three to four inches across. The colors are exceedingly varied, ranging from white through many shades of rose, lilac, red, carmine, crimson and maroon to nearly black, usually two shades to each plant.

Pink Beauty. In color it is what florists call watermelon-pink or salmony-rose. Strikingly brilliant and beautiful; the flowers are borne in massive heads on stems 18 inches high. **Pkt., 10c.**

Scarlet Beauty. A very effective rich, deep scarlet variety. **Pkt., 10c.**

Holborn Glory. This strain is a large-flowered selection of the auricular-eyed section, the most beautiful and admired of all Sweet Williams. **Pkt., 10c.**

Single White. Pkt., 10c.

Finest Single Mixed. Pkt., 5c; ½ oz., 35c.

Double Mixed. This mixture contains the finest colors Impossible to find anything that can compare with it. **Pkt., 10c; ½ oz., 50c.**

Annual Mixed. The old favorite Sweet William, as all know, does not flower until the second year from seed, but this new type commences blooming in early Summer from Spring-sown seed. **Pkt., 10c; ½ oz.75c**

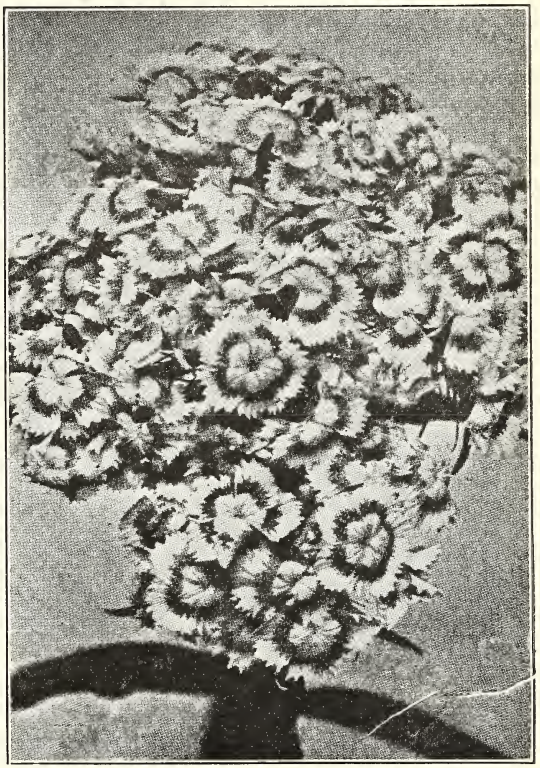
THALICTRUM (Meadow Rue)

Hybridum. Very graceful perennial plants with finely cut foliage; excellent for the hardy border. Columbine like foliage. **Pkt., 15c.**

TRITOMA (Red Hot Poker)

Hybrida Mixed. A free blooming hardy perennial; large spikes of flowers. **Pkt., 15c.**

Verbena Mammoth Mixed



Sweet William

THUNBERGIA

Mixed (Blackeyed Susan). Handsome foliage and flowers. Used for a screen or basket. Annual. **Pkt., 10c; ½ oz., 50c.**

TORENIA

Fournieri. Bushy globular plants literally covered with the lovely richly colored, snap-dragon-like flowers of a delightful sky-blue. They are excellent for beds, pots or hanging baskets. **Pkt., 10c.**

VERBENA GR. FL. MAMMOTH

We have been carefully selecting and improving this fine strain of Verbenas for years, and can recommend it as the very best procurable. The trusses and individual flowers are of the largest size, of brilliant colors, free-blooming and vigorous habit.

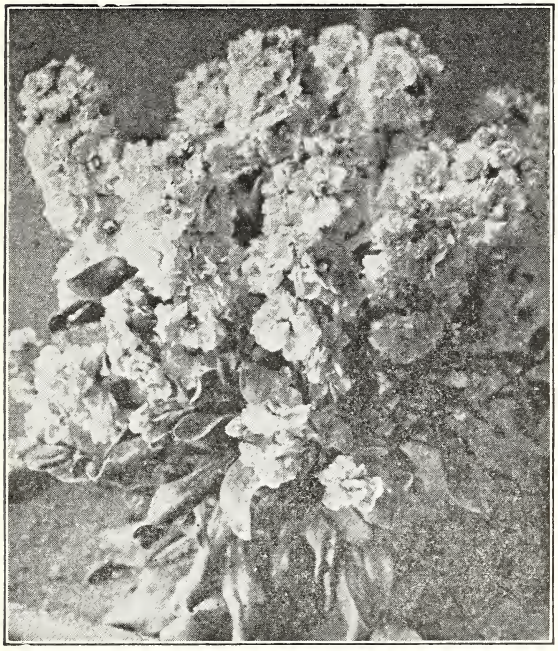
	Pkt.
Blue	$0.10
Lucifer. Cardinal Red	.10
Rosea Stellata. Rose, pink, white eye	.10
White. Alba	.10
Purple Mantle	.10
Aricula Fld. Mixed	.10
Gr. Fl. or Mammoth. Mixed ¼ **oz., 50c;**	.10

Great Floral Clock Mixture. This splendid new variety is very dwarf, compact growing Bush-Verbena, with large trusses of all fine colored flowers in shades previously unknown in this class. **Pkt., 15c.**

Fine Mixed. All in good colors. **Pkt., 5c; ½ oz., 40c.**

VERBENA VENOSA (Hardy)

Venosa 1 ft. Largely used for bedding purposes, strong, thrifty growers, covered with bright purple and heliotrope flowers. **Pkt., 10c.**



Wall Flower

VERONICA (Speedwell)

Spicata. An elegant hardy border plant, growing about 1½ feet high, producing long spikes of bright blue flowers in June and July. **Pkt., 10c.**

VINCA—PERIWINKLE

These are very bright annuals which should be included in every garden. They are most attractive with their dark green glossy leaves and their beautiful and large fllowers. The plants grow about 15 inches tall and branch freely, making compact bushes which during the latter part of summer and all during the fall are covered with blooms. They may be grown successfully in any kind of soil and can withstand quite adverse weather conditions. They will thrive and bloom where many other annuals will not make any show. Whether used for borders or solid beds, they will always attract attention. Upon approach of freezing weather the plants may be lifted and transplanted into large flowerpots for winter blooming in the house. They are also useful for planting in porch boxes or window boxes.

	½ Oz.	Pkt.
Rosea. Fine rose color	$0.75	$0.10
Rosea Alba. Rosy eye	.75	.10
Alba Pura. Pure white	.75	.10
All Colors, Mixed	.75	.10

VIOLETS (Sweet Scented)

Viola Odorato (Semperflorens). Is the well-known English Violet, a free-flowering, hardy perennial. May be grown from seed. Succeeds best in a partially shaded, moist place. **Pkt., 10c.**

VIOLA CORNUTA (Tufted Pansies)

These resemble pansies in shape and form and while not quite as large, they bloom more profusely and for a longer time. **Pkt., 10c**

WAHLENBERGIA

See Platycodon, Page 67.

WALL FLOWER

A beautiful, hardy perennial of exquisite coloring, producing long, showy spikes in abundance. **Pkt.**

Double Mixed $0.10

Single Mixed. 1 foot ..... .10

WOOLFLOWER—CHINESE

Plants grow two or three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of wool, but not so large as the central one. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground.

Start seed, if convenient, under glass about four weeks before time to transplant to the garden. If the little plants remain too long in pots or seed-beds they will begin to set bloom, which is not desirable. Transplant to the garden soon as danger of frost is past.

Crimson. Balls of rich crimson. **Pkt., 10c.**

Pink. Rich shade of pink. **Pkt., 10c.**

Mixed all colors. Pkt. 10c.

WILD GARDEN FLOWER SEED

Under this heading we offer a mixture of the easiest and surest growing kinds that can be sown broadcast, and with little or no care will produce a bright effect in places that would otherwise be nothing but a collection of unsightly weeds, and furnishing an abundance of flowers for cutting.

	½ Oz.	Pkt.
Annual Mixed	$0.25	$0.10
Perennial Mixed	.40	.. 10

WILD CUCUMBER

Rapid-growing annual climber. Has beautiful leaf and pretty fragrant white flowers. **Pkt., 5c; oz., 25c.**

Woolflower—Chinese

GIANT ZINNIAS—Continued

YOUTH AND OLD AGE

ONE of the most popular and most extensively used of all our hardy annuals. The following list comprises a very choice strain of large variety and of the most brilliant colors. Requires but little attention; will grow in any good garden soil.

Sow the seed early in spring, in open ground in good rich soil, preferably in rows two feet apart and covering about one-fourth inch deep. When the young plants are one to two inches high thin to eight inches apart. Half hardy annual; tall growing, usually about one and one-half to two feet high.

Giant Dahlia Flowered. This new giant flowered type has petals which overlap in such a manner as to give the flowers the appearance of a decorative dahlia. The flowers, although not so brilliant in color as those of the older type, are many of them in exquisite shades of rose, lavender and old gold. The plants are strong and vigorous growing and produce an abundance of blooms throughout the summer and early fall.

Buttercup. Deep yellow. **Pkt., 15c.**

Crimson Monarch. By far the largest and best of the red shades. Flowers often six inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit. **Pkt., 15c.**

Dream. A fine, deep lavender, turning to purple—a new desirable shade in Zinnias. **Pkt., 15c.**

Exquisite Rose. By far the most pleasing of our collection. Truly DAHLIA flowered as regards form and size. Color light rose with center a deep rose. **Pkt., 15c.**

Golden State. A very rich orange yellow. Yellow in the bud, turning to an attractive orange when in full bloom. **Pkt., 15c.**

Oriole. We consider this the most beautiful of its class. It is an immense orange and gold bicolor changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named. **Pkt., 15c.**

Polar Bear. A very large pure white, the best white yet seen in Zinnias. True Dahlia form. **Pkt., 15c.**

Scarlet Flame. A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. **Pkt., 15c.**

Dahlia-Flowered, Mixed. These flowers have a very marked distinction from the ordinary giant-flowering class, being of a true Dahlia-flowering type, a fine mixture of the very best colors. **Pkt., 15c; ½ oz., $1.00.**

Dahlia Flowering Double Zinnia

GIANT DOUBLE ZINNIAS

This mammoth strain has produced excellent results to hundreds of customers who have grown it with great success. The plants are of exceedingly robust habit.

The flowers are borne on long, stiff stalks, of a semi-globular form, are mostly very double and together with their immense size, produce a very marked effect.

	½ Oz.	Pkt.
Mammoth Double Purple	$0.50	$0.10
" **Scarlet**	.50	.10
" **Red**	.50	.10
" **White**	.50	.10
" **Golden Yellow**	.50	.10
" **Rose Shade**	.50	.10
" **Orange**	.50	.10
" **Salmon Pink**	.50	.10
" **Mixed, all Colors**	.50	.10

DWARF DOUBLE

This we consider the best Zinnia for general use, forming bushy, compact plants not over 2 ft. high, and bearing large perfect double flowers in good, clear distinct colors. The salmon-rose variety is especially effective. **Mixed. Pkt., 5c.; oz., 50c.**

Curled and Crested

The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia. **Mixed. Pkt., 10c; ½ oz., 40c.**

ZINNIA ELEGANS, LILIPUT

Of compact habit not over 15 inches high; beautiful miniature, perfectly double flowers; splendid for bedding and good for cutting.

	½ Oz.	Pkt.
Carnary Yellow	$0.75	$0.10
Golden Yellow	.75	.10
Salmon Rose	.75	.10
Scarlet (Red Riding Hood)	.75	.10
White. Queen	.75	.10
Mixed Colors	.75	.10

ST. LOUIS SEED CO.'S
Collection of
Giant Zinnias
SPECIAL OFFER TO FLOWER LOVERS
Of Giant Zinnias

GIANT DOUBLE ZINNIAS

Giant Crimson	$0.10
Giant Orange	.10
Giant Purple	.10
Giant Red	.10
Giant Rose	.10
Giant Yellow	.10

Special above collection 6 Large Packets For 40c

Hardy Ornamental Shrubs

Ready for shipment from March 1st to April 10th.

NOTE—Shrubs will be shipped on receipt of orders or as soon as they can be dug, unless instructed to the contrary, and can only be sent by Express, at Purchaser's expense. No Plants sent C. O. D.

The use of shrubbery adds materially to the beauty and attractiveness of the home grounds or perhaps shrubs combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa residence or country home. Shrubs around a house hide unsightly corners and the hard straight lines of the architecture; or grouped at a distance, by the sides of walks, carriage drives and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings.

ALTHEA

HIBISCUS—(Rose of Sharon)

This has become one of the most popular flowering shrubs, coming in flower, as it does, in July or August, when few shrubs are in bloom. The entire plant is covered with beautiful double flowers, which at a distance look like roses. They make a very pretty flowering hedge. Three-year-old plants. About 3 ft. high.

	Each	10 for
Red	$0.45	$4.00
Pink	.45	4.00
White	.45	4.00

AMPELOPSIS VEITCHII

(Sometimes called "Boston Ivy" and "Japan Ivy")

Entirely hardy in the exposed places, attaining a height of 20 to 30 feet in two or three years, clinging to stones, brick or wood work with the greatest tenacity. For covering dead trees, boundary walls, etc., it has no equal. Beautiful Autumm foliage. **Strong three-year plants, each, 60c.**

Ampelopis Veitchii

Clematis Paniculata

AMYGDALUS

(Flowering Almond)

A class of ornamental shrub or small tree introduced from the mountains of Asia Minor, and succeeding well in common garden soil. The flowers are very showy, produced in great abundance, and useful for their earliness. Fine plants to use in grouping or for lawns.

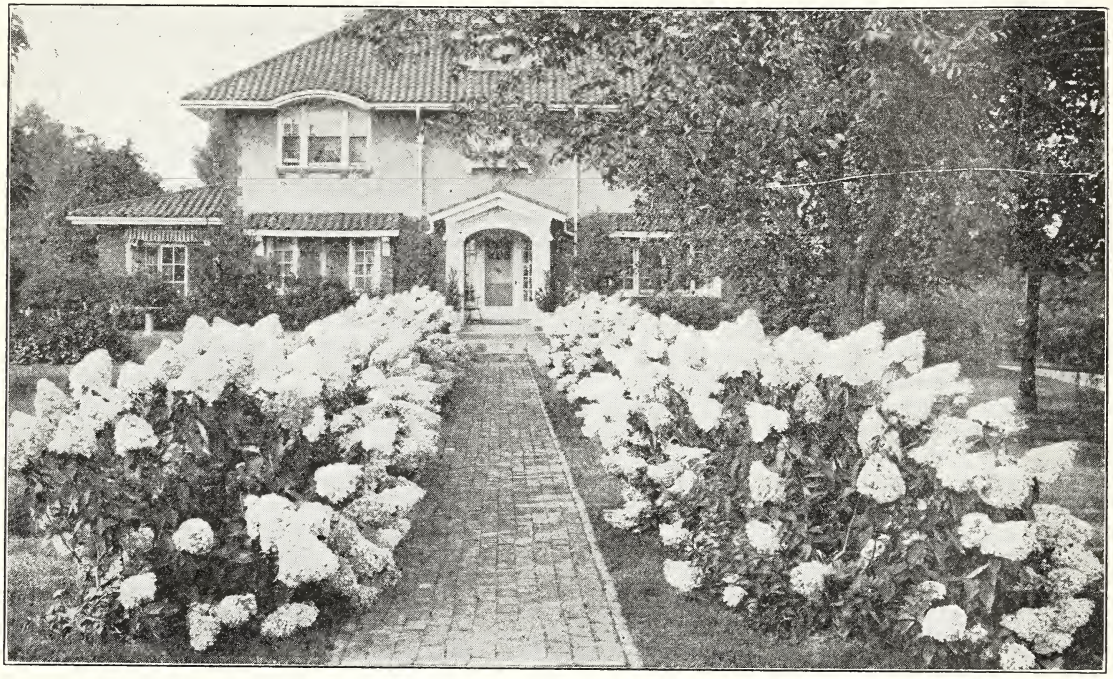
Rosea (Double Pink). Small double pink flowers borne in abundance in May. **Each, 75c.**

CLEMATIS

The Clematis we offer this season are exceptionally fine, strong 2-year-old plants. We have reduced the number of varieties to such sorts as from experience, we know to succeed best in our climate.

Jackmanni. The best known and most valued large flowering variety of this popular family. A perfect mass of bloom when in full flower. Color, dark, rich, royal purple. **Each, 75c.**

Paniculata. This grand climbing vine is one of the most valuable ever sent to us from Japan. Blooms in the early Fall and is one mass of fleecy-white, fragrant flowers. These are succeeded by the silken seed vessels almost as ornamental as the flowers. It will grow 15 to 20 feet in a season, it is insect-proof, it is perfectly hardy, it adapts itself to all situations, thrives everywhere, and need only be seen to be admired. **Strong two-year plants, each, 40c.**



Hydrangea Paniculata Grandiflora

BARBERRY JAPANESE

Thunbergia. Perfectly hardy. Will make a dense hedge from 3 to 4 feet high, which will always remain symmetrical without any pruning. Bears large, nearly round, crimson berries. **Each, 25c; 10 for $2.25.**

Red-Leaved Japanese Barberry. It is similar in all respects to the green-leaved Japanese Barberry which is so popular, but the foliage of this new variety is of a rich, lustrous, bronzy red. **Each, 50c; 10 for $4.50.**

CALYCANTHUS

Floridus. A well-known native bush, bearing very double, purple, fragrant flowers. Fine and glossy foliage; pineapple-scented, chocolate-colored flowers all summer; **Each 60c.**

BUDDLEIA—BUTTERFLY BUSH

The flowers are produced on long, graceful stems that terminate in tapering panicles of beautiful lilac-colored flowers of miniature size and borne by the hundred on flower heads frequently 10 inches long. **Each, 40c; 10 for $3.50.**

CORNUS

Pink-Flowering Dogwood. A beautifully variegated shrub which should be planted more freely. Strong plants, 2 to 3 feet high. **Each, $1.75.**

DEUTZIA

Very ornamental and popular shrubs with showy white or blush flowers appearing in tassel-like clusters in Spring or early Summer.

Pride of Rochester. Grows to 6 feet. Blooms in May in advance of the others. With very large, double white flowers. **Each, 45c.**

Crenata Rosea (Double Pink Deutzia). A tall shrub usually 6 to 8 feet high with numerous upright branches. Flowers double, pink. **Each, 45c.**

FORSYTHIA

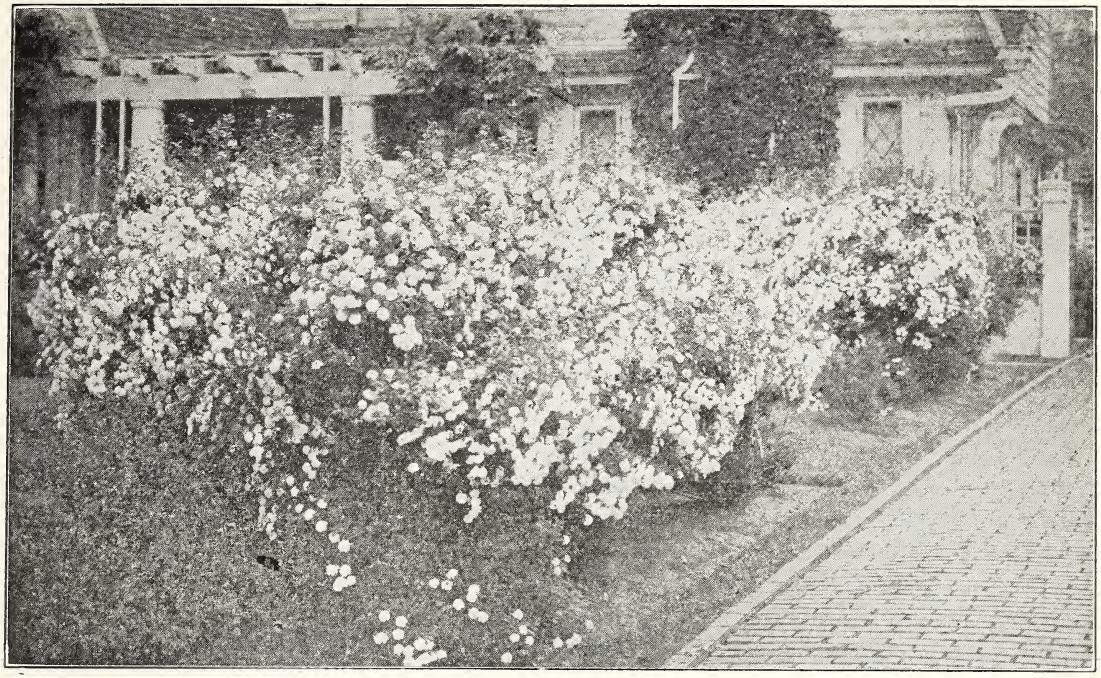
Fortunei. Strong, erect habit, bright, golden-yellow flowers in early Spring. **Each, 45c.**

Intermedia. Flowers bright yellow, glossy green foliage; 3 to 4 feet, extra bushy. **Each, 45c.**

HEDGE PLANT

California Privet. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. Plants should be set 12 inches apart in double rows, in zig-zag fashion places them 6 inches apart. 2-yr. old, 24 to 30 inches. **10 for 75c; 20 for $1.30; 100 for $5.50.**

Deutzia



Spiraea Van Houtte

HONEYSUCKLE (Climber)

Halliana (Hall's Japan Honeysuckle). A strong vigorous almost evergreen sort; white flowers changing to yellow; very fragrant; flowering from July to December; holds its leaves nearly all winter. **Each 30c.**

Scarlet Trumpet Honeysuckle. This and its varieties are the handsomest in cultivation. It is a strong, rapid grower. **Each, 40c.**

HONEYSUCKLE BUSH

Lebebouri Rosea (Bush). Pink flowers, which contrast beautifully with the foliage; scarlet berries. **Each, 50c.**

Lilac

HYDRANGEA

Arborescens Grandiflora Alba (Snowball Hydrangea). The snow-white blooms are of the largest size coming into flower early in June and lasting until late in August. Especially suited for shaded places. 2½ feet. **Each, 60c.**

Paniculata Grandiflora. The large panicles of white flowers are at their best during August; later they take on a reddish cast. Fine as single specimens on the lawn or grouped in large beds. Strong bush form, 3 ft. plants. **Each, 70c.**

Quercifolia—Oak Leaved Hydrangea. Color is pure white, which is usually retained for four or five weeks. **Each, 75c.**

LILAC or SYRINGA

Lilac or Syringa. Lilacs stand more neglect, heat or drought without showing any bad effects, than any other shrub that can take their place.

Marc Michili (Purple). Very free bloomer of large flowers; an excellent variety; 3 to 4 feet. **Each, 70c.**

Marie Legraye (White). Free bloomer. **Each, 70c.**

QUINCE FLOWERING

A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges; 3 to 4 ft., bushy. **Each, 60c**

SNOW BALL

One of the most handsome bushes for the yard, with globular clusters of pure white flowers, blooming latter part of May; 3 to 4 feet. **Each, 70c; 10 for $6.50.**

SNOWBERRY

Inconspicuous rose-colored flowers in June and July; followed by large clustered, milk white fruits which remain far into winter. The combination of pink flowers and white berries on the same twig is charming; 2 to 3 feet. **Each, 40c.**

Spiraea Anthony Waterer

SPIRAEA

Anthony Waterer. A valuable and distinct variety; color bright crimson; it is of dwarf, dense growth, never exceeding 30 inches in height; in bloom the entire summer and fall. **Each, 45c.**

Douglasii. Immense terminal spikes of deep rose-colored flowers. One of the best. **Each, 45c.**

Van Houtte. The grandest of all the Spiraeas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. **Each, 40c.**

SYRINGA OR MOCK ORANGE

Coronarius (Mock Orange). For grouping with other shrubs, forming large screens or hedges which may not require pruning, or used as single specimen lawn plants they are desirable. Fragrant, white flowers in dense clusters. **Each, 50c.**

TAMARIX (Tamarisk)

Strong, slender, tall-growing, irregular shrubs, with feathery foliage and small, delicate flowers. **Each, 50c.**

WEIGELIA

Candida. Of vigorous habit, flowers pure white and produced in great profusion in June, and continue to bloom at intervals through the summer. **Each, 50c.**

Rosea. A charming new Weigelia, flowers brilliant crimson; a beautiful, distinct, clear shade. **Each, 50c.**

WISTERIA

A beautiful hardy climber will grow in one season about 20 feet high; flowers in clusters,

W. Sinensis (Chinese). Flowers in clusters; pale blue; sometimes gives a second crop of flowers in the Fall. Strong plants. **Each, 70c.**

W. Sinensis Alba. Of similar habit to sinensis, with pure white flowers. Strong plants. **Each, 70c.**

Hardy Ever-Blooming Field-Grown Roses

OUR HARDY DORMANT ROSES ARE READY FOR DELIVERY FROM THE FIRST OF MARCH UNTIL THE FIFTEENTH OF APRIL

Plants Travel Best By Express
No Plants Sent C. O. D.

Soil. Roses delight in a clay loam, enriched with well-rotted manure. Dig up the soil thoroughly to a depth of 12 to 15 inches, pulverize well; do not raise beds above the level of the surrounding soil.

Location. Roses delight in an open, airy situation, unshaded by trees and buildings. Always plant in solid beds and each class for itself.

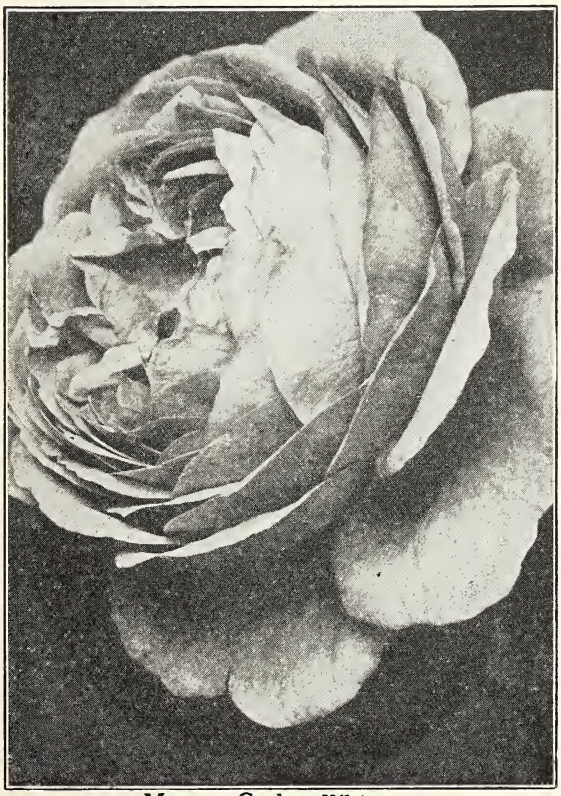
Protection. As soon as severe freezing weather sets in, raise the earth around the plant three or four inches, cover entire bed with dry light manure, then cover with leaves.

Columbia, H. P. A true pink, deepening, as it opens to a glowing pink. **Each, 70c.**

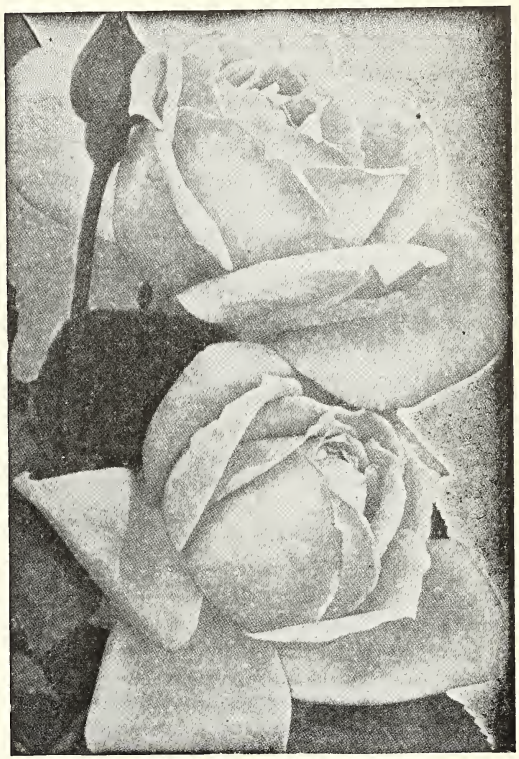
Duchess of Wellington. Intense saffron yellow. Fine, strong-featured Rose familiarly called "Orange Killarney." **Each, 70c.**

Frau Karl Druschki. The distinctive form and expression of its bud, half opened state and maturity are a threefold revelation of exquisite charm and beauty. Large flowers of waxy paper white in June. **Each, 70c.**

General MacArthur. One of the best all-around bedding Roses, its flowers are of good form, of a warm, rich crimson scarlet. **Each, 65c.**



Maman Cochet White



Columbia

Gruss an Teplitz, H. P. The color when first opening is a very dark, rich crimson; as the flower opens it discloses bright scarlet, shading to velvety, fiery red. **Each, 70c.**

Hadley, H. P. One of the very best garden roses; deep, rich, velvety crimson in color and one of the most fragrant roses in our collection. **Each, 70c.**

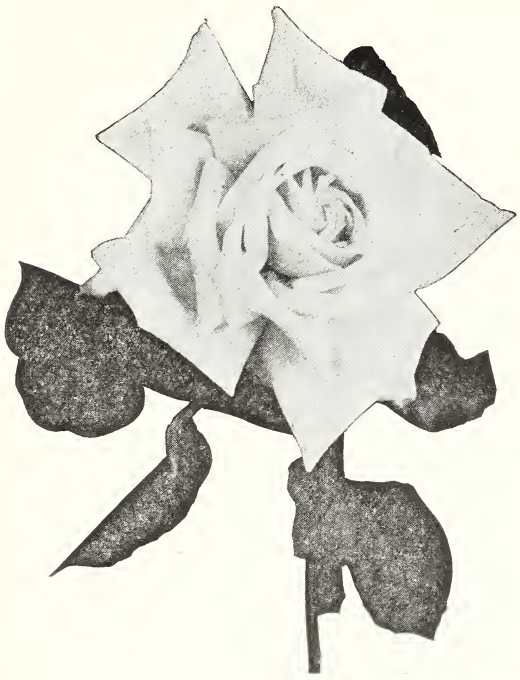
Killarney, White. A duplicate of the charming pink Killarney, with flowers white as snow. **Each, 65c.**

Los Angeles, H. T. An unusually strong, vigorous grower, of ideal form, buds long and pointed, expanding into an immense flower of perfect shape. Color is a lovely flame pink, toned with coral. **Each, 80c.**

Mme. Butterfly. H. T. A glorified sport of Ophelia with all the colors of Ophelia intensified, making it a harmony of bright pink, apricot and gold. **Each, 70c.**

Maman Cochet Pink, H. P. Its large full and firm buds show wonderful depth and richness of color, as they open into very large flowers. A clear, rich, pink. **Each, 65c.**

Maman Cochet White, H. P. A duplicate of its parent, the well-known and justly popular Maman Cochet, except in the color of its flowers. The finest white rose for growing out of doors. **Each, 65c.**



Mrs. Calvin Coolidge

HARDY CLIMBING ROSES

Desirable for covering trellises, walls or porches, as they succeed under any circumstances. Perfectly hardy, blooming in clusters of medium-sized flowers.

Climbing American Beauty. A Rose of great merit. A cross between American Beauty and an unnamed seeding; color a rosy crimson. The plant is of strong habit of growth, making shoots of ten to fifteen in one season. **Each, 45c.**

Dorothy Perkins or Pink Rambler. Blooms in clusters of from 8 to 25 flowers each, of a delicate rosy pink shade, suffused salmon. **Each, 45c.**

Dr. W. Van Fleet (H. W.). The color is a remarkable delicate shade of flesh-pink on the outer surface, deepening to rosy-flesh in the center. Sweetly perfumed; beautiful bronze green foliage. **Each, 45c.**

Paul's Scarlet Climber. No other rose in any class can compare with it for brilliancy of color, which is a vivid scarlet that is maintained without burning or bleaching until the petals fall. **Each, 45c.**

Silver Moon. Four to five inch semi-double flowers pure white with thick clusters of yellow stamens. **Each, 45c**

Mrs. Aaron Ward. Color, deep golden orange, shading to creamy yellow. This popular variety has long been the standard yellow, small-budded "corsage rose". **Each, 70c.**

Mrs. Calvin Coolidge. (New). A magnificent introduction from Ophelia source, with all the delightful contours and expression of that type; the color a clear light yellow which matures—especially in the shadowed center—to deep orange. **Each, 70c.**

Ophelia, H. T. Salmon-flesh shaded with rose, large, and of perfect shape; of excellent habit, the flower standing up well on long, stiff stems and produced in great profusion. **Each, 70c.**

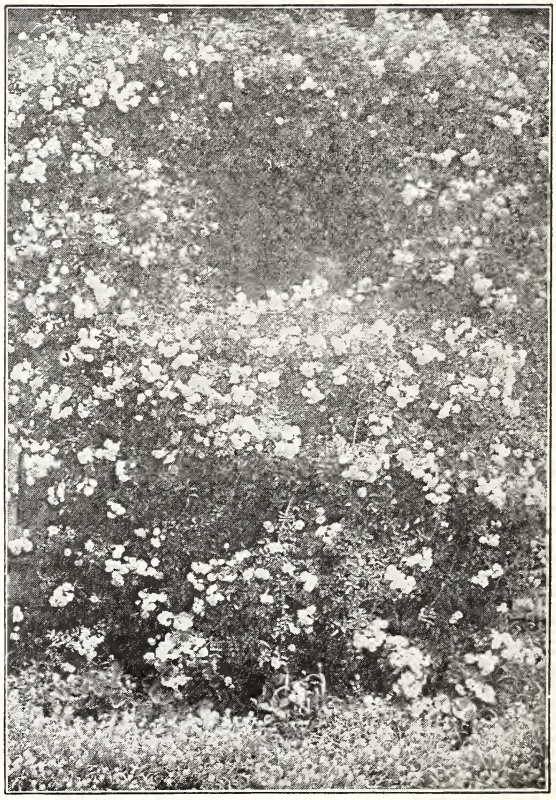
Red Radiance, H. T. All who know that grand Rose, Radiance will welcome this red form of that great favorite. Radiance is a Rose that does well everywhere. **Each, 60c.**

Radiance, Pink, H. T. Brilliant rosy-carmine shaded with rich opaline-pink tints in the open flower, which is large, full, of fine form. **Each, 60c,**

Souvenir de Claudius Pernet. A most vigorous grower of erect branching habit, beautiful, brilliant green foliage, long pointed buds of exquisite shape. Very large, full flowers with elongated deep petals. Color, striking sunflower-yellow. **Each, 75c.**

HYBRID RUGOSA ROSE

F. J. Grootendorst. This is a new type of Rose, which might properly be called a Rugosa Baby Rambler, it being a cross between Rugosa and the crimson Baby Rambler. It is valuable to plant among shrubs in the shrubbery border or use it for an everblooming hedge. **Each, 60c.**



ORCHID AND LARGE-FLOWERING CANNAS

Ready for shipment during March and April. By Parcel Post, add 5c dozen, postage.

OF ALL summer bedding plants, Cannas are the tallest and bulkiest, and furnish the widest range of colors. The foliage is of noble proportions, making a full compact mass which serves to conceal the ground or background, and is of itself attractive in rich shades of green, bronze, red and chocolate. The surmounting flower trusses are uniformly large and free, brilliant with most of the colors and combinations known among flowers.

Massed plantings in one color are recommended as being most effective; but many beautiful and striking combinations of colors may be arranged.

The President

Pennsylvania. 6 ft. Large, orchid-flowered scarlet, overlaid with orange . **Each, 10c; Doz., $1.00.**

Souv. De Antonie Crozy. 3 feet. Beautiful red, enlivened with a broad border of golden yellow. **Each, 10c; Doz., $1.00.**

The President. Four feet. Color rich glowing scarlet, and the immense firm flowers are produced on strong erect stalks well above the large, rich green foliage. **Each, 15c; Doz., $1.50.**

BRONZE LEAF, RED

Ambassador. 3½ to 4 feet. Bronze foliage; color poppy red; very brilliant flowers are borne in immense trusses on strong stalks well above the foliage. **Each, 15c; Doz., $1.50.**

David Harum. 3½ feet. Dark bronze foliage. Strong grower and one of the freest-blooming Cannas we have. **Each, 10c; Doz., $1.00.**

King Humbert. Large, heart-shaped leaves of purple madder brown over bronze, the dark ribs sharply defined, crowned with immense heads of orchid-like flowers. Velvety orange-scarlet. 4 to 4½ feet. **Each, 15c; Doz., $1.50.**

PLANTING DIRECTIONS

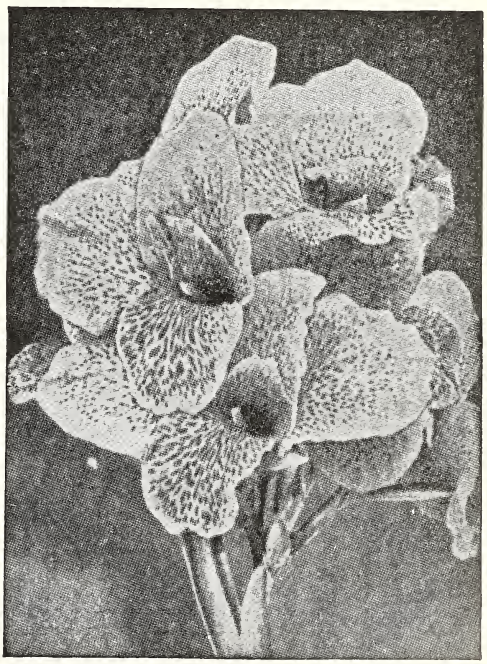
Dormant Canna roots may be started indoors during March or April, but should not be set out until the weather is settled and the ground warm, usually May or June in this latitude. When planting dormant roots, do not set too deep. The eyes should be 4 inches below the surface. Plant in good, rich garden soil mixed with one-half of old, rotted stable manure. Set them about 18 inches apart each way. Water sparingly the first two weeks after planting; when growing freely, water liberally. Our list embraces the best of the standard varieties, every one of which we recommend to our customers. We give the approximate height attained by the different varieties so that they may be properly arranged in bedding.

RED, GOLD EDGED

Charles Henderson. Deep crimson yellow flame at throat. 3½ feet high. **Each, 10c; Doz., $1.00.**

Crimson Bedder. Dazzling crimson-scarlet, well displayed above the foliage, our most conspicuous, and satisfactory red bedding Canna. 3½ to 4 feet. **Each, 10c; Doz., $1.00.**

Meteor. Magnificent bedding variety with massive, erect trusses of deep blood-red flowers, produced with a freedom that leaves nothing to be desired. 5 feet. **Each, 10c; Doz., $1.00.**



Souy. De Antoine Crozy.

Yellow King Humbert

Fancy Leaved

CALADIUM ESCULENTUM

(Elephant's Ear)

One of the most effective plants in cultivation for beds, borders or for planting out upon the lawn; they are used extensively in many of the public parks, where their decorative value is greatly appreciated. To obtain the best results it should be planted where it will obtain plenty of water and an abundance of rich compost.

	Each	Per. Doz.	Weight Each
Mammoth bulbs	$0.35	$3.50	2 lbs.
First Size bulbs	.20	2.25	½ lb
Medium bulbs	.10	1.00	

FANCY LEAVED CALADIUMS

Fancy Leaved. Bulbs 1½ to 2 inches in diameter. For window boxes, slow plants, or greenhouse growing they are invaluable. Rich, thrifty leaves, marbled, veined and striped with white, pink and dark red. **Each, 30c.**

ORANGE AND YELLOW

Karl Merck. 4 feet. Flower a pure yellow with tinge of orange and flecked with pink dashes becoming red in throat. **Each, 10c; Doz., $1.00.**

King Midas (New). A very large flowering, beautiful, glittering Yellow Canna, with green foliage about 5 ft. tall. Fine for bedding. **Each, 15c; Doz., $1.50.**

Richard Wallace. 4 feet. Canary yellow flowers. Very floriferous. One of the best yellows. **Each, 10c; Doz., $1.00.**

Yellow King Humbert. 4 feet. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red; measuring 5 to 7 inches across, individual petals 3 to 3½ inches in diameter. **Each, 15c; Doz., $1.50.**

PINK FOLOWERING CANNAS

City of Portland. 3½ feet. A deep pink which does not fade during the hot weather. A free-bloomer, with flowers borne well above the foliage. **Each, 20c; Doz., $2.00.**

Mrs. A. R. Conrad. 3 to 4 feet high. The flower has the ideal canna shape with broad rounded petals opening wide and on a heavy filled truss so as to hide the past blooms. Color an exquisite, soft, opaque pale pink with darker pink in throat. **Each, 20c; Doz., $2.00.**

Hungaria. 3½ feet. The best pink Canna. Trusses of enormous size borne well above the foliage. Very compact, almost dwarf and of a very luxuriant growth. **Each, 15c; Doz., $1.50.**

WHITE CANNAS

Eureka. The large substantial flowers are very freely produced on strong vigorous plants, 4½ feet. **Each, 15c; Doz., $1.50.**

Caladium

Speciosum Rubrum Lilies.

Hardy Japan Lilies

SPECIOSUM RUBRUM. Planted in clumps of six or so, they make an attractive sight. Plant the bulbs 6 to 8 inches deep. **Each, 35c; per doz., $4.00.**

Orchid Flowering Cannas

1—City of Portland

3½ feet. A deep pink which does not fade during the hot weather. A free bloomer.

2—The President

4 feet. Rich glowing scarlet, and the immense firm flowers are produced on strong erect stalks well above the large, rich green foliage.

3—Yellow King Humbert

4 feet. Foliage a very dark green, flowers a deep rich yellow, softly spotted; measuring 5 to 7 inches across.

2 each above 3 varieties (6 bulbs) for $1.00

ST. LOUIS SEED CO. GLADIOLUS

1—Le Marechal Foch
Beautiful shade of light pink.

2—Anna Eberius
An extra fine variety. Very popular; color, dark velvety purple, throat a deeper shade; flowers large.

3—Scarlet Princeps
Flaming scarlet; large, massive flowers, making a gorgeous display of dazzling red.

1 Dozen Each Above Three Varieties—36 Bulbs for $2.00.

Dahlias

Dahlias by Parcel Post, add 3c each Postage.

THIS Dahlia deserves a place in every garden, much more so than it did twenty years ago; with the new varieties added each season and the extraordinary array of colors which they possess, the time must come when every lover of flowers will always have a few, if not large tracts of these beautiful Summer and Fall flowers.

Time of Planting. The time for planting Dahlias varies, quite a good deal, according to the locality, In the Central states tubers may be set out as early as May 1st in some sections and from then until the middle of June. Some of our best blooms have been grown from tubers planted out about June 20. Dahlias should be planted from 2½ to 3 feet apart and covered to a depth of four inches.

CACTUS DAHLIAS

California Beauty. Cacus. Pure copper color. Good size and stem; fine form; good cut flower. **Each, 75c.**

Corona Leo, Hybrid cactus. Color, a rich flame. Large size; stem is most desirable, holding the flower perfectly erect. An excellent cut flower variety. **$1.00.**

Countess of Lonsdale. Color light pink. There are few varieties that will produce as many perfect, large flowers as Lonsdale; it will blossom under conditions that cause many other varieties to become total failures; good stems, low compact grower, good foliage, an excellent keeper. **40c.**

Daddy Butler, Hybrid Cactus. A most unusual blending of colors, American Beauty shades or rosy carmine, and the reverse of the beautifully twisted and rolled petals of a lighter tint, giving a variation of color. **$1.00.**

Etendard De Lyon. Everyone admires this beautiful rich royal purple flower 6 inches in diameter and 4 inches deep, a large flower, yet without any stiffness or formality. **75c.**

F. W. Fellows. Cactus. Lively orange scarlet. This extra large flower has a good stem and is one of the best of the narrow-petaled. **75c.**

George Walters. Hybrid Cactus. Salmon pink with golden sheen, tinted buff. Flowers of immense size. One of the most popular dahlias and it does well everywhere. Very early and free bloomer. **75c.**

POMPOM DAHLIAS

These are tiny, compact growers, usually of quilled petals, very floriferous, and do not require disbudding.

Gretchen Heine. A dainty flower of rose tinted white, each petal heavily tipped crimson-carmine. **50c.**

Jeweeltje. Light pink. In this dainty little flower we have an entirely new type of dahlia. The blooms are a clear light pink. **65c.**

Sunset Glow. A pretty little flower of orange and sunset red. Good stem, fine grower, excellent keeper, fine for basket work. **25c.**

Gem. A perfect little wonder; free flowing; uniform coloring, light base overlaid deep lavender. **50c.**

Gladys Sherwood, Hybrid Cactus. A wonderful white. Composed of long curling petals of glistening white forming a flower of unusual depth, these giant flowers are held erect on strong stems. **75c.**

Jean Chazot. H. C. Golden bronze with faint suffusion of Nasturtium red. A free blooming. It is a fine exhibition flower, splendid for garden decoration, and unsurpassed by any of the autumn tints as a cut flower. **75c.**

Springfield. For perfection of bloom, size and erectness of stem, abundance of flowers and general use as a garden flower. It is undoubtedly the most profuse bloomer offered. The color is a rich salmon, tinted. **60c.**

Springfield

DECORATIVE DAHLIAS

This class is intermediate between the cactus and the show dahlia. Flowers, as a rule, are large, full to the center, with broad, flat, incurved or reflexed petals, giving an irregular formation devoid of stiffness and formality. For the most part, they are all strong, vigorous growers, early and free bloomers.

Amun Ra. Dec. Georgeous shades of copper and orange, deepening in the full center to amber and bronze. Immense bloom on wonderful stems. Has won many prizes.....**$1.00**

Champagne. Dec. Golden Champagne with chamois shadings. Very large flower held on rigid stem. One of the best of the California dahlias, remarkable for its coloring and freedom of flowering.....**$1.00**

Delice. A valuable addition to the cut-flower varieties; remains fresh long after cutting, long stems, perfect form. The color is a beautiful, soft, glowing rose-pink, shading slightly to the center.....**40c.**

Dr. Tevis. A magnificent blossom blend of copper, old rose and old gold. Immense flower with the best possible stem. A California variety which is a pleasure to boost. Has a tremendous record as a prize winner. .....**50c.**

Frank A. Walker. Charming shade of deep lavender pink. Very early and free flowering. A desirable flower for cutting and yard work. Medium size. **50c.**

Jersey's Beauty. Dec. If we could grow but one dahlia this would be the one, as it has everything to recommend it; pure pink color, large size, perfect formation and stem, fine growing habit, and is an exceptional keeper. A wonderful cut flower...**$1.25**

Jersey Beacon. A decided novelty of Chinese scarlet with a paler reverse, giving a two-toned effect. An exhibition flower of vigorous growth, excellent stem. Awarded silver medal for best new seedling at exhibition of New York Horticultural Society in 1924. There is no variety that was ever grown that has attracted as great attention as Jersey's Beacon..**$2.50**

Kitty Dunlap. If this has any weak points they are not noticeable. It flowers early and continues perfect throughout the season, its blooms are of the largest size, all that can be wished for in shape and are carried on long stiff, practically leafless, stems; in color it is a much admired beautiful shade of carmine-rose with a brilliant suffusion.....**75c**

Mina Burgle. A seedling named and originated by Mr. Burgle, a California Dahlia lover. Producing flowers of gigantic size, and remarkable beauty. The best in existence; in color, a glowing and most brilliant scarlet.....**50c**

Mrs. Carl Salbach. Dec. An immense flower of light mauve pink, shading white in center, every petal outlined in deep mauve. Extremely long strong stems. One of the best dahlias.....**50c.**

Mrs. I. De Ver Warner. The flowers grow to an immense size without any great amount of disbudding, are of a perfect regular type and of the most glowing shade of mauve pink. The plants are tall, vigorous growers, and start giving flowers early in the season and continue to produce quantities of them until the end. This variety has been a success wherever grown. ..... **75c.**

Orange King. Dec. Golden orange, deepening to bronze in center. The medium large, beautifully formed blooms are held above a tall growing plant by extremely long, wiry stems. Fine autumn coloring, free blooming habit, wonderful stems, and usunual keeping quality of the blooms make this dahlia unsurpassed as a cut flower. Very reasonably priced **40c**

Pride of California. A brilliant glowing cardinal-red of very large size held on extra good stems, very free flowering and a good keeper when cut. If you are looking for size you can get it with this variety. **50c.**

Rookwood. An entirely new shade of bright rosy cerise, without the slightest tinge of magenta, greatly resembling the color of the Mrs. Charles Russell rose, and exceptionally beautiful under artificial light. The immense flowers are of true decorative type with full centers, a good depth and held aloft on splendid straight stems. The bushes grow low and spreading and are always a mass of blooms.....**$1.25**

Sagamore. An exeptionally fine exhibition or cut flower of a golden color, shaded toward the center with a warm or orange buff. Stems straight and stiff and wonderful keeping qualities when cut make this flower most desirable.....**$1.25**

GLADIOLUS

Gladioli, by Parcel Post, add 5c per doz.

THE GLADIOLUS is one of the most decorative plants in the garden, and as a cut flower lends itself readily to any arrangement. If the spikes are cut when the lowest flower is in bloom, the others will open in succession and remain fresh a week or ten days. No flower has gained more rapidly in public favor than the Gladiolus; this could not well be otherwise, for in addition to the great intrinsic merit of the flower, it is hardy and blooms the first season from bulbs.

Gladioli will thrive in almost any good soil except a stiff clay. They require full sunlight and are liable to injury only from rank manure. Plant the bulbs six to nine inches apart, the large ones four inches and the small ones two inches deep. Make an early planting of the smallest bulbs first as soon as the ground is sufficiently dry and warm. Continue to plant at intervals of two weeks during the spring and early summer; in this way a succession of bloom may be had from midsummer until frost. A free use of water during the season of active growth and particularly as the buds begin to show color will be beneficial in producing fine blossoms.

SEMESAN BEL TREATMENT OF BULBS

Gardeners who plant only a few gladiolus corms may find in convenient to treat all of them in one soaking. Each variety should be placed in a cotton bag or tied loosely in a piece of cheese-cloth and labeled to keep them separated. All of the bags with their contents may then be placed in the solution at the same time. Two level tablespoons of Semesan will make one quart of 2% Semesan solution, while 8 **level** tablespoons will make one gallon. The corms may be placed in any kind of container, excepting one made of aluminum, then covered with this Semesan solution and allowed to soak for seven hours.

PRICES FOR SEMESAN BEL

4 oz	**$0.50**	5 lbs	**$8.00**
1 lb	**1.75**	25 lbs	**31.25**

BLUE SHADES

Anna Eberius. An extra fine variety and one that is destined to become very popular; color, dark velvety purple, throat a deeper shade. **Doz., 75c; 100 for $5.50.**

Herada. Blooms of immense size on tall straight spikes; the color is pure mauve, glistening and clear with deeper markings in throat. **Doz., 75c; 100 for $5.50.**

PINK SHADES

America. The color is a soft pink very much like the Enchantress Carnation, except slightly tinged with lavender effecting a perfect color harmony. **Doz., 50c; 100 for $3.50.**

Arizona. A new and one of the most facinating varieties; long spikes of large flowers; color, fine dark pink with maroon markings on lower petals. **Doz., 50c; 100 for $3.50.**

Elizabeth Tabor. Delicate rose pink on white ground, rich dark crimson blotch pointed yellow. A sensatinal novelty of great size and beauty. **Doz., $1.00; 100 for $7.50.**

Halley. The predominating color of these flowers is delicate salmon pink with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through the center. **Doz., 50c; 100 for $3.50.**

Le Marechal Foch, clear light pink, a shade brighter than America; very large wide open flowers on strong, stiff stem; very early and useful cut flower. **Doz., 50c. 100 for $3.50.**

Los Angeles. Shrimp pink with orange carmine throat, distinct and elegant. Reputed to be ever-blooming in California, but this quality is not very evident in the middle west. **Doz., $1.00; 100 for $7.50.**

Mrs. H. E. Bothin, geranium pink tinted salmon, flaming scarlet center, a very striking color combination; well placed, heavily ruffled flowers. **Doz., 60c; 100 for $4.50.**

Mrs. Dr. Norton. White, the edges suffused with soft pink. The three lower petals have a blotch of sulphur-yellow, strained at the base with fine specks of pink. **Doz., 60c; 100 for $4.50.**

Mrs. Frank Pendelton. The petals show beautiful bright rose-pink on a pure white ground, contrasting in a most striking way with the deep rich velvety blood-red blotch on the lower petals; as showy as an orchid. **Doz., 50c; 100 for $3.50.**

Remembrance. Tall spike, many large flowers open at one time. Deep salmon rose pink, throat heavily zoned. **Doz., 60c; 100 for $4.50.**

RED SHADES

E. J. Shaylor. This is an extra-large flower of a pure deep rose-pink shade. Its massive appearance is enhanced by the lovely, ruffled edges of the petals. **Doz., 60c; 100 for $4.50.**

Mrs. Francis King. The magnificent flowers measure 4½ inches across, and there are five or six flowers spread out on the spike at the same time. The color brilliant flamingo-pink, blazed with vermilion-red. **Doz., 50c; 100 for $3.50.**

Mrs. George W. Moulton. Violet red, selfcolor; a giant in flowers and stem; many flowers open at a time. **Doz., 60c; 100 for $4.50.**

1910 Rose. Extra large flower; pure rose-pink; exceptionally fine; early, good forcer. The large flowers are well expanded and of perfect form. **Doz., 50c; 100 for $3.50.**

Panama. Exquisite and magnificent, being fully the equal of America in form and size, but superior to it in color, being more on the order of salmon-pink. **Doz., 50c; 100 for $3.50.**

Prince of Wales. A seedling of Halley, which is resembles, but is even earlier to bloom. **Doz., 50c; 100 for $3.50.**

Red Canna. Deep crimson; large flowers on very tall, wiry stems; very suitable for cutting. **Doz., 60c; 100 for $4.50.**

Scarlet Princees or Virginia. Flaming scarlet; large, massive flowers, many open at a time, making a gorgeous display of dazzling red; good forcer. **Doz., 60c; 100 for $4.50.**

Willbrink. An early flowering variety, with attractive flesh pink flowers, with creamy white blotch on lower petals. **Doz., 60c; 100 for $4.50.**

YELLOW SHADES

Early Sunrise. Deep orange salmon with yellowish blotch on lower petals; very early, excellent florist variety. **Doz., 75c; 100 for $5.50.**

Flora. In color an improved Schwaben, clear canary-yellow with no markings. Its flower shape and habit resemble America. **Doz., 60c; 100 for $4.50.**

Schwaben. In color the flowers are a delightful cream shade with the two lower inside petals or segments blending to canary yellow. The throat is splashed with carmine, and the lower ends of the outside petals are also blushed with carmine. **Doz., 60c; 100 for $4.50.**

Yellow Hammer. Pure primrose yellow with slight red mark in throat. **Doz., 60c; 100 for $4.50.**

WHITE

Chicago White. A fine white variety with lavender stripes on lower petals. Medium sized flowers borne on a tall spike. **Doz., 50c; 100 for $3.50.**

L'Immaculee. Pure white; tall slender stems with many flowers open at a time; very desirable cut-flower variety; early. **Doz., 60c; 100 for $4.50.**

CHOICEST MIXED GLADIOLUS

This mixture is fine for cut-flowers as well as bedding, having been especially selected as to combination and blending of colors. **Doz., 40c; 100 for $3.00.**

GLADIOLUS COLLECTION

Two bulbs each of six named varieties. Absolutely the finest assortment of Gladiolus offered by anyone. This collection gives you a magnificent display of Gladiolus of every conceivable color, shading and marking. **Per collection of 12 bulbs, 60c.**

PRIMULINUS TYPE

The blooms are distinct in their pleasing form and arrangement. Although the individual flowers are not large, they carry an air of grace altogether different from the stiff effect of other types.

Alice Tiplady. A rich orangy saffron, very beautiful and artistic blooms, the largest and finest of the Primulinus hybrids to date. **Doz., 50c; 100 for $3.50.**

Souvenir. Purest golden yellow of all Gladioli; large, beautifully shaped flowers on tall stem. **Doz., 75c; 100 for $5.50.**

Maiden's Blush. Exquisite blush pink, finely formed flowers on wiry stems. Very free flowering and exceedingly early. **Doz., 60c; 100 for $4.50.**

PRIMULINUS MIXTURE

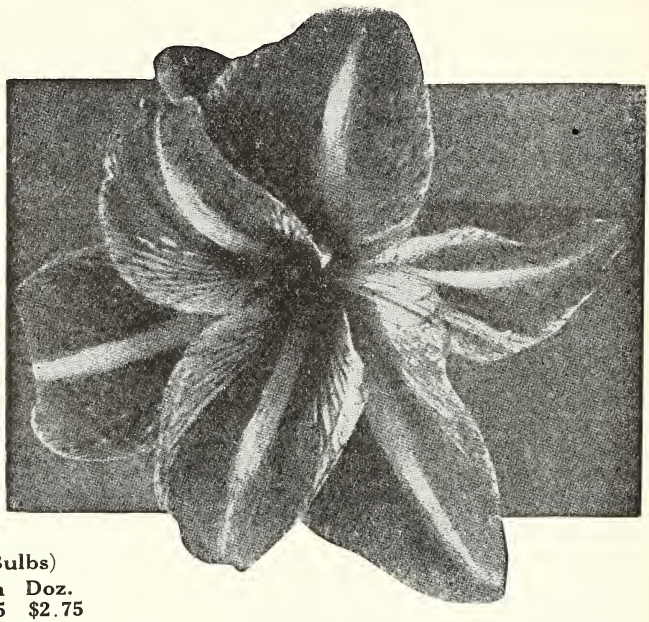
Primulinus Hybrids. Self colors that are most pleasing on account of their delicacy, slenderness and peculiar form. The petals are quite thin, making the veining very prominent. They vary from pale yellow to bright orange salmon. apricot and light scarlet. **Doz., 50c; 100 for $3.50.**

AMARYLLIS

The amaryllis is pre-eminently a window garden plant for the amateur, producing under the simplest conditions one, two and even three spikes, two feet or more high, which are crowned with from three to six large and gorgeous trumpet-shaped blooms.

Hybrids—Flowers of largest size composed of broad, well-rounded, overlapping petals; gigantic blooms of the most perfect form, ranging in color from pure whiterose, red and crimson to the richest self colors as scarlet.

Each, 60c.



BEGONIAS (Tuberous Rooted)

Enormous wax-like flowers appear uninterruptedly from June until frost. Plant bulbs outdoors about May 1st or start indoors any time prior to then.

SINGLE BEGONIAS

(Large Bulbs)

	Each	Doz.		Each	Doz.
Crimson	$0.25	$2.75	**Scarlet**	$0.25	$2.75
Orange	.25	2.75	**White**	.25	2.75
Rose	.25	2.75	**Yellow**	.25	2.75

DOUBLE BEGONIAS (Large Bulbs)

	Each	Doz.		Each	Doz.
Orange	$0.25	$2.75	**Scarlet**	$0.25	$2.75
Rose	.25	2.75	**White**	.25	2.75
Crimson	.25	2.75	**Yellow**	.25	2.75

CALLA LILIES

Callas occupy a prominent place among our favorite house plants because they are so easily grown and give thorough satisfaction.

Elliottiana (Yellow Calla Lily). Golden yellow, **35c each.**

CINNAMON VINE

A beautiful, rapid-growing Summer climber, with bright green, glossy foliage, and spikes of deliciously cinnamon-scented, white flowers. It is perfectly hardy, the stem dying down in Winter, but growing with great rapidity in the Spring, so as to cover any trellis or arbor very early in the season. Large, select roots.

Each, 10c; Dozen. $1.00.

Lilium Speciosum Auratum

ISMENE CALATHINA

(Pancratium Lily or Peruvian Daffodil)

One of the choicest of our summer flowering bulbs, blooming profusely during the summer. Handsome clusters of large, very striking, fragrant pearly white flowers. Bulbs should be kept warm and dry and planted out in the middle of May. They will commence flowering in July. It is really one of the most lovely of all the great Amaryllis tribe.

Large bulbs, Each, 20c; Dozen, $2.25

LILIES (Hardy Japan)

By mail, add 15c Dozen, Postage

Lillies have always been regarded as among the most beautiful of garden plants. Of queenly, faultless purity and stately form, too much cannot be said in their praise and we are glad to notice their increasing popularity from year to year. Nearly every variety will, with a little care, endure the severity of our winters and many are among the most hardy of our garden flowers.

Bulbs should be planted as soon as the frost is out of the ground; the earlier the better. Select well-drained spot, dig the soil deep and make it fine, enriching it abundantly with well rotted cow manure, adding a liberal mixture of sand. Set the bulbs from five to seven inches deep.

Auratum (The Golden Rayed Lily of Japan). The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band.

Large bulbs, each, 35c; dozen, $4.00.

Melpomene. Frosted white spotted, clouded and bordered with pinkish crimson. Petals deeply recurved and widely bordered.

Large bulbs, each, 35c; dozen, $4.00.

Speciosum Rubrum. Petals are thickly dotted with rose or crimson spots and the graceful form and brilliant color make them very effective and desirable. Especially thrifty and hardy. **Large bulbs, each, 35c; dozen $4.00.**

Tigrinum Splendens. The finest type of the quaint and much-loved Tiger Lily. **Each 25c; Dozen $2.75.**

PEONIES

By Parcel Post add 5c each for Postage.

Time of Delivery. All roots can be delivered from early March until the end of April, and again from September on and until freezing time in the Fall.

They are the "Queen of Spring Flowers," and are well adapted for massing in beds, and particularly valuable for planting in groups throughout the perennial or shrubbery border, where their brilliant hues add attraction to all around. Their requirements are so simple—a good, rich, deep soil, and an open, sunny position—

Duchesse D'Orleans. A deep pink, bearing fine flowers; one of the best keepers. **Each, 50c.**

Edulis Superba. Beautiful deep-rose pink, large and of good form; fragrant flowers, a fine variety. **Each, 50c.**

Festiva Maxima. Very large, pure-white flowers; tall and vigorous stalks, early. **Each, 60c.**

Queen Victoria. A strong-growing, pure white variety with creamy-white center. **Each, 50c.**

Felix Crouse. Rich ruby red; bomb type; fragrant; midseason; blooms freely. **Each, 80c.**

Madeira Vine

Peonies

SUMMER HYACINTH

(Hyacinthus Candicans)

In July and August they produce spikes about two feet long, which are covered with bell-shaped white flowers. Large bulbs. **15c each; doz., $1.50.**

MADEIRA VINE

A favorite tuberous-rooted climbing plant with dense and beautiful shining foliage and of very rapid growth, twining on strings to a great height or forming garlands in many fanciful forms. It will grow anywhere, but does best in a warm sheltered, sunny location. It is also a very pretty plant for training around the windows in the house. **Lb., 30c.**

TUBEROSE

By Mail, add 10c Dozen, Postage

The flowers of this popular plant are waxy-like, one of the most delightfully fragrant and beautiful of the summer flowering bulbs. By skillful management a succession of flowers may be obtained all the year round. For early flowers they can be started in February or March in the greenhouse or hotbed; and for a succession they can be planted at intervals as late as July. For flowering in the open border, plant about the middle of May, or as soon as the ground becomes warm.

DOUBLE PEARL TUBEROSES

One of the most delightfully fragrant and beautiful of the Summer flowering bulbs. For early flowers they can be started in February or March in the greenhouse or hotbed; and for a succession they can be planted at intervals as late as July. For flowering in the open border plant about the first of May, or as soon as the ground becomes warm. **Each 10c; per dozen, $1.00; per 100, $7.00.**

MEXICAN EVER-BLOOMING SINGLE

These bulbs may be planted as early as the first of May and as late as the middle of June, and flowering in about eight weeks' time, they continue until after the first frost.

This Mexican Ever-Blooming Tuberose is easily grown in the greenhouse and makes one of the best and most useful varieties for forcing. **Dozen, 75c; per 100, $6.00.**

Tuberoses

INTERNATIONAL SANITARY HOVER

The One Perfect Brooding Device

No one realizes better then we do that the entire success or failure of poultrymen depends upon their brooding system. They must be able to raise as large a number of the chicks hatched or bought as possible and therein lies the whole secret of the poultry industry and its successes.

We have seen poultrymen start out with practically nothing and grow into mammoth industries; we have seen others start with everything and fail. And to one thing can be traced this success or failure—the brooder that had to raise the chicks to large, healthy birds if the business was to succeed.

Large, unwieldy broods are never given the care they should be given. Sanitation demands smaller individual broods if you wish to succeed. The unit of 100 chicks has been proven to be the most satisfactory. This point should be given some thought and consideration.

We use and have used the Sanitary Hover exclusively in our baby chick department for over seven years. And in the recent shortage, we could have sold our old hovers for as high as $25.00 apiece. We have sold thousands of Sanitary Hovers and have never heard anything but the highest praise for them. And for the first time in five years we have enough hovers to take care of the great demand.

The Sanitary Hover is endorsed by leading poultrymen such as Mr. Delano, owner of the Owen Farms, where over 10,000 chicks are raised a year. Chas. Key Cullom, Secretary of the St. Louis Poultry Association, and Editor of the National Poultry and Pet Stock Journal; Geo. C. Ziebold, owner of Whistlecote Farms and breeder of famous White Rocks; Dr. L. D. LeGear, president of L. D. LeGear Medicine Co., and breeder of White Rocks, and many others.

THE SCIENCE OF BROODING CHICKS

A brooder is an artificial hen. Its purpose is to perform the duties of a mother hen toward the chicks so far as the hovering is concerned. Baby chicks spend the day running in and out under the hover to get warmth when chilly and to scratch for food. This gives them plenty of fresh air so that almost any hover will do for the day time.

But at night it is different. They hover instinctively under the brooder—just as they would under the mother hen—and trust to the brooder to bring them safely through the night If the hover is a good one they will come out healthy and happy in the morning, and the result will be healthy, robust broods. And how they come out in the morning depends upon the brooder.

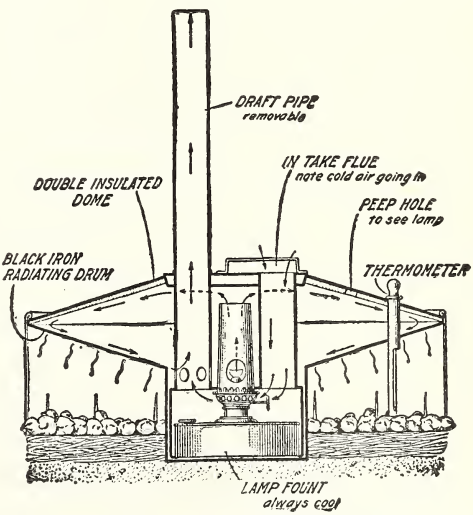
The greatest loss in the poultry business is in the raising of baby chicks and that is why you should give a great deal of attention to your brooding problems. You ought to know why the Sanitary Hover has a canvas curtain. Why it is perfectly ventilated at night and every chick is sure of plenty of fresh air during the night, why the curtain prevents all drafts from striking the chicks, and why you can depend on seeing every chick ready to face the new day.

A complete catalog of the International Sanitary Hover will be mailed you free. Write for a copy and learn the system of perfect ventilation found only in "The One Perfect Brooding Device."

Price $13.50

BETTER THAN

A MOTHER HEN



Sectional View of the Sanitary Hover

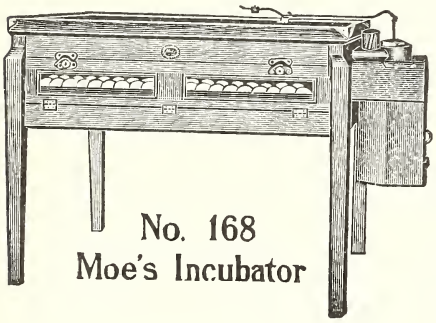
The cool air flows in through the intake flue, discharging at the bottom near the lamp, which keeps the oil fount always cool and safe. This circulation is caused by the current of warm air flowing constantly up through the tall draft pipe which current of air carries off the fumes from the lamp after the heat has served its purpose. By this arrangement the heat is made to radiate in all directions from the top and sides of the lamp chimney. The black-iron radiating drum is thin and easily radiates heat; and inasmuch as the drum is higher at the edge than near the center, it gets warm first at the edge and is **always warmer there than near the lamp.** This feature i. e., a higher temperature at the outer edge, is what especially pleases the practical poultry raiser, as it prevents crowding.

MOE'S INCUBATORS

COMMON SENSE MACHINES THAT PRODUCE CHICKS

MOE'S INCUBATORS cost much less than most good incubators. The egg tray is larger than most other machines rated at the same size, and the machine is heavier and sturdier built.

California red wood is used in the construction of Moe's Incubators. The case has thick double walls, with strong rigid joints which will not come apart when subjected to heat and moisture. There is a dead air space and insulating material between the outer and inner walls, which are both made of California red wood.



No. 168
Moe's Incubator

The heater lamp has a heavy metal bowl of large capacity, fitted with the famous "Sun Hinge" burner and burns with a steady and uniform flame.

The lamp rests in a strong galvanized container which encloses it on three sides. This acts as a perfect shield and insulator, prevents any oil from coming in contact with the wood cabinet, and is an efficient protection against danger of fire. It also confines the heat under the copper tank and makes for economy in fuel.

Moe's Incubators have solid copper tank and heating coils, with double locked and soldered seams. The water is heated in the copper tank above the lamp, and then circulates through the coils producing a soft, even, uniform heat of the correct temperature in every part of the incubator.

The filler cap is securely soldered to the tank (no screw connections to become worn and loose), and an automatic air vent or overflow tube provides for expansion and contraction, or any air pocket that might form in heating coils.

Moe's hot water heating system is simple, safe and dependable.

No. 172. 600 eggs.....$50.00.

"DANDY" BROODER STOVE

The Dandy is simple it construction and has no complicated or unnecessary parts

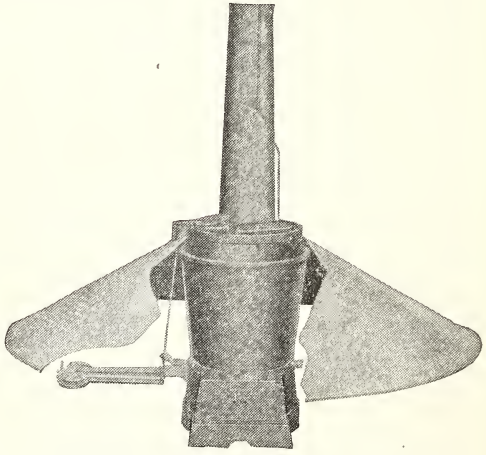
The Dandy is self-regulating and requires very little attention. It will burn nearly any kind of fuel. Hard coal, chestnut size is best, as it burns slowly with an even heat, but soft coal or coke can be used successfully.

The stove has a large deep fire pot and is filled from the top.

The Dandy is made of highest quality iron castings which will last and wear indefinitely.

The automatic control by means of the thermostat reduces the work to a minimum. It is easily adjusted to any degree of heat and after adjustment at the beginning of the season, requires no further attention.

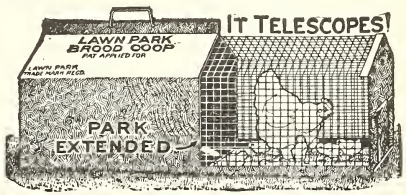
We can recommend this stove very highly. The Dandy is made in one size only; 52 in. canopy. **Price, $14.75, F. O. B. St. Louis, Mo.**



We can supply anything in the line of Buckeye Incubators and Buckeye Brooders. Write for Special Catalog.

Lawn Park Extension Coop

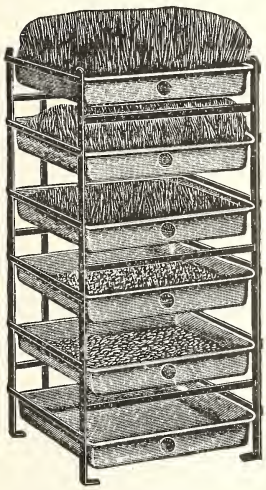
This coop is a combination closed and open air coop. When the coop is extended it forms an open air coop. It keeps the hen and her brood together. The wire extension has no bottom. This allows the hen and little chicks to scratch and pick on the ground. It can be moved from place to place to give the brood a new place for scratching which they enjoy very much and makes them thrifty and prosperous. When the brood is confined in this coop it keeps the other folws away from them and they are undisturbed. The bottom has a flange on each side extending upward so the little chicks cannot get their feet caught. When the extension is drawn out or pushed in the wire extension has three doors, the same as the Moe's coop, which can be used either when coop is extended or closed. When desired, close the coop by pushing in the extension.



They come nested one over the other and are packed one-half dozen in a wood crate and weigh about 188 pounds to the crate.

Size of coop extended, 46 inches by 20 inches and 18 inches high. When closed 24x20x18 inches.

Each.....$4.00



Moe's Oats Sprouter

The frame is of steel, well braced and neatly painted. Has six heavy galvanized iron pans. Five of the pans have perforated bottoms to secure the proper drainage, and the bottom pan is solid to hold the drippings. Pans are interchangeable. Sectional frame, can be quickly taken apart and stored in a small space.

The best results are obtained if the sprouter is placed in a cellar near the furnace or in a room with a temperature of 65 degrees or 70 degrees. Use good oats and soak them in water for about 12 hours, then fill the trays to a depth of about 1 inch. Sprinkle and stir with a paddle each day until they sprout. Then discontinue stirring, but continue to sprinkle daily.

No lamp or heater required.

Total height of frame, 3 feet. Size of pans 16 inches by 18 inches.

Packed knocked down, one in a crate. Shipping weight, 25 pounds.

No. 110. Moe's Oats Sprouter. Each.....$6.00

Cannot be mailed.

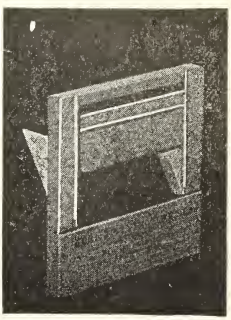
Economy Trap Nest Front

Simple in operation, with no small loose parts to get out of order.

Can be easily fitted to any orange or ordinary wood box or coop and gives the breeder the opportunity to use a size nest best adaptable to his birds, with a uniform automatic trap feature suitable for any breed of fowl.

Effectively traps the hen, yet allows ample ventilation.

Door is hinged, making it easy to remove the hen or clean the nest. Made in one size.

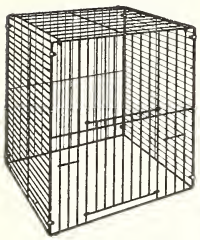


Trap nest front. Each 2 lbs.....$0.50

Per dozen 20 lbs.....6.00

By mail, add Postage.

EXHIBITION COOPS



These exhibition coops, made of the best galvanized steel wire and sheet metal electrically welded, are the most attractive and best value on the market today. They contain no clips or prejecting bolts to break the feathers of the fowl. The doors are large, making it easy to remove the birds or replace them.

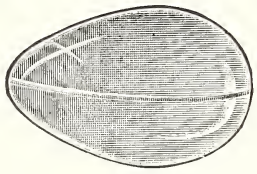
The middle partitions are woven close so the birds cannot fight when close together. By removing the middle partition you can combine two or more coops, as many as desired, for trios or pens. Two coops made in one are large enough for a pen of five birds.

No. 46. Single coop, 24x24x27 inches high.
Each $1.75; Dozen. $20.00

Pen, 48x24x27 inches high. Each.....**$3.00**
Dozen.....**35.00**

Exhibition coop cups. **Each $0.20 Postpaid .25.**

LICE REPELLING WHITE NEST EGGS



A white, sanitary, lice repelling nest egg of superior quality and appearance. They are unsurpassed as a disinfectant in the poultry house and aid greatly in keeping the nest and the hen free from vermin.

Closely imitate a real egg in appearance, and contain a powerful disinfectant. Some breeders recommend placing one in a corner of each nest under the straw.

Soon pay for themselves in increased yield.

Shipping weight, per dozen, 3 pounds. By mail, add postage.

No. 66. Lice Repelling Nest Eggs.

Per dozen.....**$0.60**

MOE'S PIGEON FEEDERS

Pigeons are particular and fastidious feeders with a strong tendency to scatter and waste feed. Moe's round pigeon feeder was especially designed to overcome this. Made of heavy galvanized iron, with feeding holes properly spaced all around the hopper. The hopper has a slanting bottom leading through a large tube to the feeding bottom. This feeding trough or bottom is also made on a slant, causing the birds to reach for the food and prevents them from billing the feed out and wasting it.

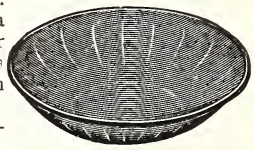
A practical, economical feeder which will soon save its cost.

No. 105. 3-quart capacity. Shipping weight, 3 lbs. Each.....$1.00

No. 106. 6-quart capacity. Shipping weight, 4 lbs. Each.....$1.50

By mail, add postage.

PIGEON NESTS



Made of galvanized iron. Diameter 8 inches with a small hole punched in center so it can be tacked to a board. Generally used in pairs.

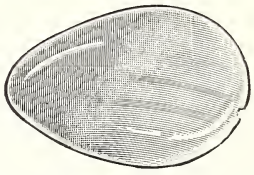
Light in weight, yet substantial, and easily cleaned.

Packed 24 in a box. Shipping weight, 12 pounds.

By mail, add postage.

No. 107. Pigeon Nests. Each.....**$0.15**
Per dozen..... **1.80**

CHINA NEST EGGS

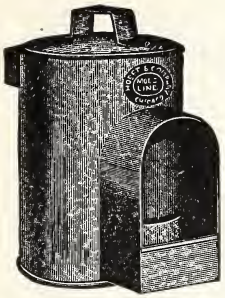


Made of white porcelain, natural in appearance, and uniform in size. Will not easily break.

They induce the hen to lay where she should—in the nest provided for her.

Shipping weight, per dozen, 2 pounds. By mail, add postage.

No. 67. China Nest Eggs. Per dozen.....**$0.35**



MOE'S IMPROVED WALL FOUNTAINS

Made of heavy galvanized iron, in three sizes. The covered outlet keeps out dust and dirt, and the outlet is further protected by a removable plate which prevents any floating rubbish from being drawn into the reservoir.

No. 98. 1-gallon capacity, shipping weight 4 lbs. Each..... $1.00
No. 99. 2-gallon capacity, shipping weight 5 lbs. Each..... 1.40

If wanted by mail, add Postage.

MOE'S BOTTOM FILL FOUNTAINS

This fountain fills the breeder's requirements for a good, inexpensive article. Made in two pieces accurately stamped and formed. Easily filled and cleaned. The round taper shape prevents bursting from freezing. The cone-shaped top prevents chickens from roosting thereon. Made of best quality galvanized.

		Price	Shipping Weight
No. 19.	**1 qt.**	**$0.25**	**1 lb.**
No. 20.	**2 qt.**	**.35**	**2 lbs.**

By mail, add Postage.

Sanitary Drinking Fountain

SANITARY EARTHEN FOUNTAIN

Constructed of white stone ware, in two parts, so that it can be easily filled and cleaned. It is the best fountain for use in administering medicine in water to your poultry.

These fountains keep the water fresh and cool in the hot weather and are endorsed by many successful poultrymen.

Nothing to wear out on these founts, and for use during these hot summer months they are unsurpassed. The different sizes will do for baby chicks, grown fowl or pigeons. Cannot be mailed.

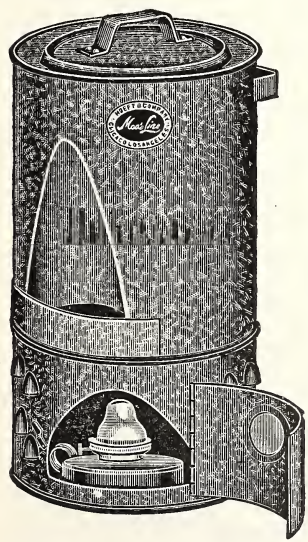
Sanitary earthen founts are made in the following sizes:

SIZE AND PRICES

1 qt.....	**Each**	**$0.40**	**Doz.**	**$4.75**	**1 gal.....**	**Each**	**$0.80**	**Doz.**	**$ 9.50**
2 qt.....	**Each**	**.60**	**Doz.**	**7.00**	**2 gal.....**	**Each**	**1.00**	**Doz.**	**11.00**

Half Dozen NOT sold at the dozen price. Cannot be sent by mail.

We will not be Responsible for Sanitary Earthen Fountains Broken in Shipment



MOE'S WINTER FOUNTAIN

A simple and reliable fountain with heater. Made of heavy galvanized iron, easily filled, with nothing about it to get out of order.

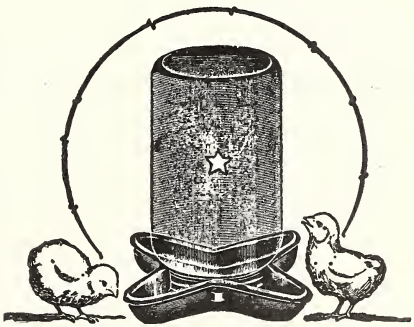
The fountain has a capacity of 5 gallons, and the lamp holds sufficient kerosene to burn continuously.

The fountain can be removed from the heater and used independently when desired.

Packed one in a box. Shipping weight 11 lbs. complete. Heater can be used under any fountain.

No. 75. Winter Fountain. Each..... **$3.60**
Heater only, shipping weight, 5 lbs..... **1.90**
By mail, add Postage.

MOE'S STAR FOUNTAIN AND FEEDER



The latest improved type of Mason jar founts. Made of single piece of heavy, non-rusting material No seams, no solder, no loose parts, cannot leak. Provides a greater drinking surface than the round fountains. Can be used for feed as well as water. Little chicks cannot drown. Fits any mason jar. Convenient, practical, low in price and durable.

Price..... Each 10c Doz., $1.20
Shipping weight, per dozen, 4 pounds. By mail, add postage. We do not furnish jars.

MOE'S DRY MASH HOPPERS

A Dry Mash Hopper of great merit, made of heavy galvanized iron. All parts accurately stamped with dies. The curved bottom keeps the feed within easy reach of the birds, and the taper shape of the hopper—larger at bottom—prevents the feed from clogging.

The wire grid and the wires running from the flange through the wire grid prevent the fowls from throwing out or wasting the feed.

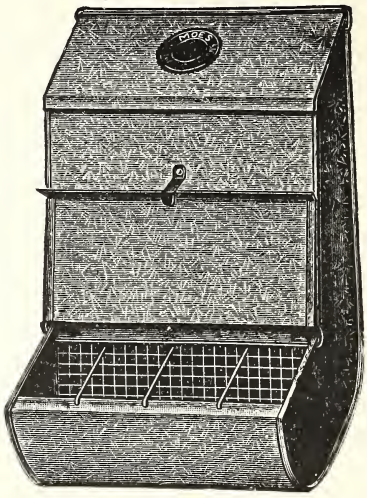
The sloping top prevents them from roosting on the hopper.

When both covers are closed it is rat, mouse and weather proof.

Made in four sizes.

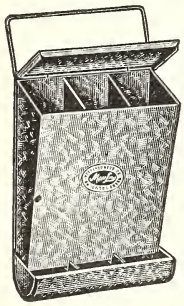
	Height	Width	Shipping Weight	Each
No. 35	19 in.	8½ in.	5 lbs.	**$1.50**
No. 36	19 in.	12 in.	6 lbs.	**1.75**
No. 13	19 in.	18 in.	8 lbs.	**2.25**
No. 37	19 in.	24 in.	11 lbs.	**2.60**

By mail, add Postage.



No. 36

GRIT AND SHELL BOXES



No. 9, Grit and Shell Box

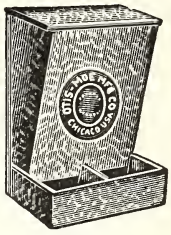
The feeding of grit, ground shells, and charcoal is now recognized as an essential part of the diet, to keep fowls in healthy, prime condition. There is no more economical method of supplying grit, etc., than those practical, inexpensive compartment boxes. No solder used in their construction.

Can also be used as feed hoppers for little chicks.

Made of heavy galvanized iron in three sizes. No. 45 for baby chicks has a square bottom, the othes sizes have round bottoms.

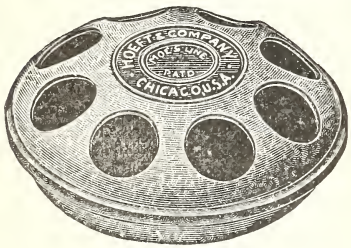
	Compartments	Shipping Weight	Each
No. 45	Two	2 lbs.	**$0.40**
No. 9	Three	3 lbs.	**.80**
No. 90	Four	4 lbs.	**1.00**

By mail, add Postage.



No. 45

MOE'S ROUND BABY CHICK FEEDERS



No. 11 Feeder

This round feeder is one of the most popular feeders on the market. Made of best quality galvanized iron, accurately stamped with dies and well made in every detail. The top fits snugly, yet the feeder can be easily taken apart for cleaning and filling. It is a great food saver, as the chicks cannot get into the feeder and contaminate the food. The chicks cannot upset it.

No. 11. Diameter, 6 in., shipping weight, 1 lb. Each..... **$0.10**
No. 12. Diameter, 8¾ in., shipping weight. 2 lbs. Each..... **.20**

By mail, add Postage.

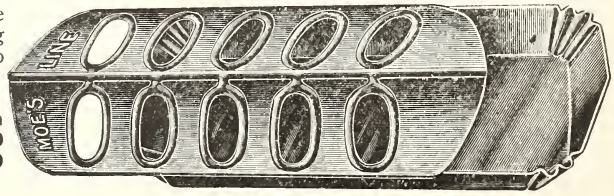
ALUMINUM FEEDING TROUGHS

Buttermilk Feeding Troughs, made of pure aluminum, which is not affected by the acids of milk and similar feeds.

The trough and top are each stamped in one piece, no seams, rivets or solder used. Sliding Top makes it easy to clean and fill. Made in two sizes.

	Length	Shipping Weight	Each
No. 69	10 in.	1 lb.	**$0.30**
No. 70	20 in.	1 lb.	**.50**

By mail, add Postage



Parcel Post Egg Carriers

FARMER'S FRIEND EGG CARRIER

Farmer's Friend Egg Carrier

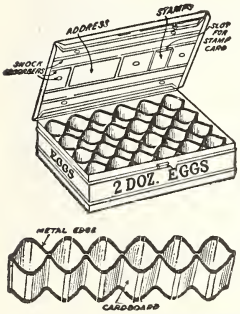
Insures safety of egg transportation through the mails. A boon to poultry raisers everywhere. Light in weight Strong in construction.

In our Farmer's Friend Egg Carrier you will find one of the most useful and convenient articles that a farmer and poultryman can have. No shipper of eggs can afford to be without these Parcel Post Egg Carriers. The demand from the city markets for fresh eggs is such that it is to the wide-awake farmer or poultryman's interest to be prepared to mail eggs as soon as laid. Parcel postage is cheap, hence big returns await the egg shipper.

The Farmer's Friend Egg Carrier is made with patent lid fastener and equipped with handle as shown in cut.

Capacity	Weights	Each
6 doz.	**5 lbs., postage extra**	**$1.00**
9 doz.	**6½ lbs., postage extra**	**1.10**
12 doz.	**8 lbs., postage extra**	**1.20**
15 doz.	**9 lbs., postage extra**	**1.30**

METAL EGG CARRIERS



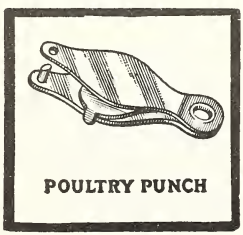
These carriers assure safe delivery of eggs no matter how far they are sent. Being made entirely of metal, they are very durable and will last for years with a little care. Yet they are light and compact and cost very little more to send by mail than the other cases. They are far more economical in the long run than the other styles of cases.

By mail, add postage.

Size	Each	Shipping Weight
2 doz. eggs	**$1.50**	**4 lbs.**
3 doz. eggs	**1.75**	**4 lbs.**
4 doz. eggs	**2.00**	**5 lbs.**
6 doz. eggs	**2.50**	**6 lbs.**
9 doz. eggs	**3.25**	**8 lbs.**
12 doz. eggs	**4.00**	**10 lbs.**

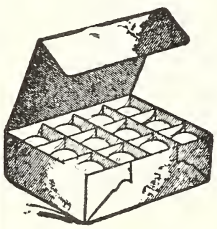
PETTEY'S PUNCH

With this small punch you can make a small hole through the web between the toes of the chicks. In this way you can distinguish the chicks. There are sixteen different markings that can be used. The Pettey's Punch will punch a clean hole without bruising the foot. Fits in the vest pocket. A practical and popular punch.



Postpaid. Each.....**$0.25**

"HANDY" EGG CARRIER



Handy

These boxes are made of heavy cardboard and hold one dozen eggs. They are especially adapted to carrying eggs to customers. If you sell eggs to regular customers these boxes will prove very satisfactory.

	10	25	50	100	500	1000
3x4	$0.15	$0.35	$0.60	$1.00	$4.75	$9.00

Shipping weight, 12 lbs. per 100.
By mail, add postage.

K. R. O.

KILLS RATS ONLY is a product that dog owners and poultry raisers are looking for. It is harmless to man, dogs, cats, poultry and other domestic animals. However, K. R. O., is deadly poison to rats and mice. K. R. O., is made of powdered squill which attracts rats and mice. They usually die in the open searching for water.

Price 75c; postpaid.

Write for Free Book on Care of Canaries

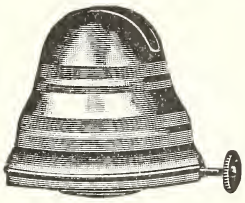
"SUN HINGED" LAMP BURNERS

Used extensively by Incubator and Brooder manufacturers. So designed that perfect combustion is insured. Easily cleaned and trimmed.

	Each
No. 1	$0.35
No. 2	.40
No. 3	.60
No. 2. For No. 3 chimney	.50
No. 3. Double wick	.75

"ZENITH" LAMP BURNERS

A "No-Chimney" Burner for Incubators, Brooders, Fountain Heaters, etc. Perfect combustion without a chimney. When used with our lamp fount the No. 1 burner is suitable for a lamp box 7 inches high, and the No. 2 burner for a lamp box 9 inches high.



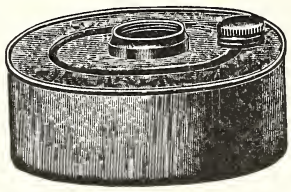
No. 1 ..... $0.50 **No. 2** $0.65

MOE'S HIGH GRADE FELT LAMP WICKS

A good wick is very important, especially when it is in continuous use as on a brooder or incubator lamp. Our wicks are special high grade red felt, and a big improvement over the old style loosely woven cotton wicks, which often get clogged in the burner shaft. No loose threads to burn uneven and smoke.

No.	Width	For Burner	Per Dozen
208	5/8 in.	No. 1	$0.25
209	7/8 in.	No. 2	.45
210	1½ in.	No. 3	.55

MOE'S LAMP BOWLS



Heavy galvanized iron bowls or founts for Incubators, Brooders and Fountain Heaters. Made in three sizes. The two larger ones are strongly braced and reinforced on the inside, making the top and bottom perfectly rigid. No give or spring to the top which is a common fault with ordinary bowls.

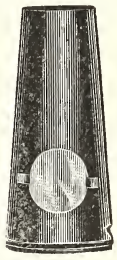
No. 100. Lamp bowl. Diameter, 6 in. Height, 1½ in. Has a side handle. Takes size 1 burner. This is the same bowl as used in our No. 10 Fountain Heater. Shipping weight, 2 lbs. **Each, $0.50.**

No. 101. Lamp Bowl. Diameter, 6¾ in. Height, 2¼ in. Takes size 2 burner and size 2 chimney. Shipping weight, 2 lbs. **Each, $0.60.**

No. 102. Lamp bowl. Diameter, 8 in. Height, 2¾ in. Takes size 3 burner and size 3 chimney. Shipping weight, 2 lbs. **Each, $0.75.**

METAL CHIMNEYS

For Incubators and Brooders. Made of galvanized sheet steel, with round mica window. The mica can be easily replaced if it should accidentally be broken. In three sizes.



No. 108. Metal Chimney. Height, 6 in. Fits size 1 burner. **Each, $0.20.**

No. 103. Metal Chimney. Height, 6 in. Fits size 2 burner. **Each, $0.20**

No. 104. Metal Chimney. Height, 6 in. Fits size 3 burner. **Each, $0.20.**

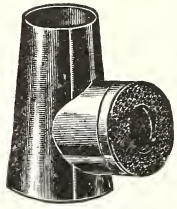
HANDLED SCRAPER

Made of hard, stiff sheet steel. Light in weight, yet strong and durable. The toothed or rake edge is excellent for cleaning sand or sifted ashes on drop boards. Length of blade, 9½ inches. Width, 4 inches. With 30-inch hardwood handle securely riveted to the blade. Shipping weight, 2 pounds.

No. 51. Handled Scraper. Each **$0.45**

By mail, add Postage.

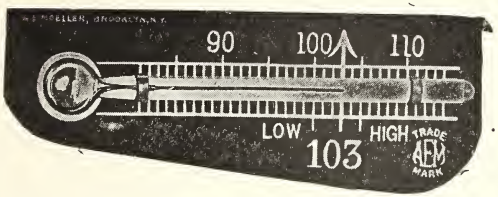
HANDY EGG TESTER



This Egg Tester is designed for use on ordinary hand lamp, and fits over any style of burner with a diameter approximately that of the tester. In a dark room the light will be found strong enough to penetrate the shell and illuminate interior of egg.

By Mail, add Postage for 2 lbs. Each **$0.25**

THERMOMETERS AND HYGROMETERS



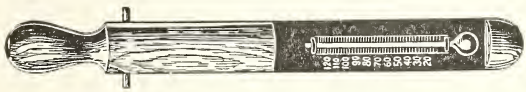
All Thermometers sent postpaid, purchaser's risk.

The tested Incubator Thermometer is made in a triangular shape, as shown here, with heavy, black oxidized scale, so that same can be read easily, and lie on the eggs in proper angle. We cannot guarantee safe arrival of any thermometers. Sent at purchaser's risk.

Postpaid. Each.....**$0.75**

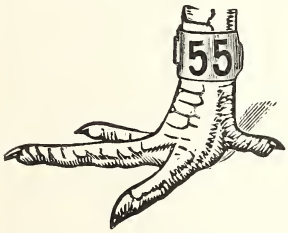
No. 403 is a new pattern that can be used with perfect satisfaction in any make of incubator. It has a mercury-filled tube and is triple-tested for accuracy. We recommend this thermometer above all other for incubators.

Postpaid. Each.....**$0.75**



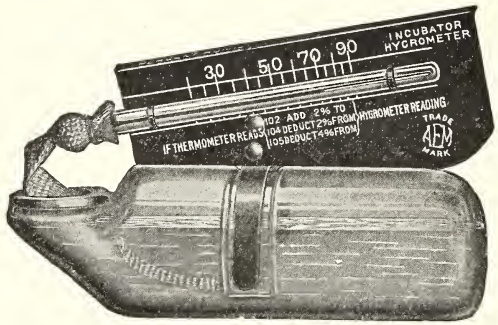
Brooder Thermometer, 75c each, postpaid.

ALUMINUM LEG BANDS



Made of sheet aluminum, with large raised numbers, easy to read from a distance. Adjustable for any size fowl. Accurately made and quickly applied. Packed in paper cartons of 12, 25, 50 and 100 bands each. Numbered from one up.

12 bands	$0.15	100 bands	$0.75
25 bands	.25	500 bands	3.50
50 bands	.40	1000 bands	6.00



Hygrometer

This instrument is designed to meet the demand of the practical poultryman for a simple direct reading gauge which will enable him to keep the amount of moisture in his incubator as near as possible to desired point.

By noting the position of the mercury column, the operator can tell at a glance whether to increase or decrease this amount.

Postpaid. Each.....**$1.00**

SPIROL LEG BANDS

Mark your hens and pullets differently. Know what you are doing. Spirol bands are made of seasoned celluloid. Last a life-time. Slip on like a key-ring. Birds cannot lose them. Light as a feather. Will not fade. Colors; Black, white, dark blue, pink, light blue, red, green, yellow purple.

		12	25	50	100
No. 4.	Baby chicks	$0.10	$0.20	$0.35	$0.60
No. 6.	Pigeons	.10	.20	.40	.65
No. 9.	Mediterranean	.15	.25	.40	.75
No. 11.	American	.15	.25	.45	.85
No. 12.	Asiatics	.20	.35	.65	1.20

"BANDETTES"

The latest spring clip pattern. Made entirely of celluloid. Bandettes are strongly made, the numbers are indestructible being impressed in bold type. They are bevel ended. Bandettes are easy to put on being applied like the Spiralet Bands. Bandettes come in the following colors: Red, blue, green, yellow and pink. Two sizes: Mediterranean (Leghorn) and American (Rocks).

25 for 60c; 50 for $1.10 100 for $2.00; 500 for $9.50.

NOPCO
COD LIVER OIL

Hatch 8 eggs out of every 10 you set. Raise 9 out of every 10 you hatch. Cod Liver Oil will help you do it. Before you can raise a high percentage of chicks, you must first produce eggs of high quality, charged with life giving vitamins. Increase you egg production during the dark winter months by supplying the "Sunshine" vitamin in cod liver oil. Avoid rickets and leg weakness by starting your chicks on Cod Liver Oil. **Nopco Cod Liver Oil** is tested both for purity and vitamin potency. Tests are made on rats to prove the presence of vitamins, A. & D. in satisfactory strenghts. Every sample for tests is taken from bulk oil in 12,000 gallon tanks and is kept stirred to insure uniform quality. Prices have recently been reduced on Nopco Cod Liver Oil, making it cost very little more than inferior untested oils. Prices: **Qt. 75c; 2 qts. $1.50; gal. $2.50; 5 gal. $11.25. F. O. B. St. Louis, Mo.**

WOLF'S POULTRY REMEDIES
ALL PRICES POSTPAID

Wolf's Egg Maker	$0.25	$0.50
Wolf's Sure Eggs		.50
Wolf's Germite, not mailable		.50
Wolf's Vermite	25	.50
Wolf's Louse Killer		.25

DR. LeGEAR'S POULTRY REMEDIES

Prices include postage, except where noted

Dr. LeGear's Egg Laying Tablets	$0.50	$1.00
Dr. LeGear's Bowel Regulator		.25
Dr. LeGear's Roup Remedy		.25
Dr. LeGear's Cold Tablets		.25
Dr. LeGear's Chick Diarrhea Tablets		.25
Dr. LeGear's Head Lice Remedy		.25
Dr. LeGear's Sorehead Remedy		.25
Dr. LeGear's Fly and Insect Powder **25c; 50c;**		$1.00

Dr. LeGear's Poultry Prescription, by mail add **Postage.**

1½ lbs.	$0.25	3¾ lbs.	$0.50
9 lbs.	1.00	25 lbs.	2.50

Dr. LeGear's Dip and Disinfectant, **by express only.**

Qt.	$0.75	½ gal.	$1.25	Gal.	$2.00

MISCELLANEOUS PREPARATIONS

Water Glass. Recommended for use in preserving eggs. One pint will preserve 6 dozen eggs. **Cannot be mailed. 1 Pt., 20c; Qt., 35c; 2 Qts., 65c; Gal., $1.25.**

"H. W." A liquid tonic and remedy for many diseases of poultry, such as roup, cholera, white diarrhea, etc. **Postpaid. 50c and $1.00.**

Miller's Roup Remedy. An excellent remedy for roup that gets right to the seat of the trouble. Never fails. **Postpaid. Per bottle, 50c.**

Pierce's Lady Hoover Poultry Powder. A laying tonic, moulting food and egg maker. Made by practical poultry people. By using Pierce's Poultry Tonic according to directions an increase in egg production is assured. **Postpaid. ½ lb., pkgs, 65c; 1 lb., pkg. $1.00.**

Pierce's Lady Hoover Lice Powder. A lice powder of superior merit. This powder contains a good percentage of sodium flouride. Pierce's Lice Powder has been used with great success by some of the largest poultry farms in the country. **Postpaid 50c.**

Azoa. A rat poison of superior merit. Azoa creates a disease, amongst the rats, which is contagious, thereby cleaning them out in wholesale quantities. **Postpaid. 50c.**

Schillings Ant and Roach Powder. A product of great merit in eliminating ants and roaches from the house. **Postpaid. 25c; 50c; $1.00.**

Egg-O-Hatch. A preparation to be used on hatching eggs to reduce the strength of the shell rendering same weak, thereby permitting the chick to break same with greater facility. **Postpaid, 50c.**

Egg-O-Latum. A greasy preparation rubbed on the outside of an egg to preserve same. Egg-O-Latum will keep an egg for a year. One jar will preserve 50 dozen eggs. **Postpaid, 50c.**

CARBOLA

Carbola is non-poisonous and non-caustic. It is applied with a brush or sprayer and dries pure white Does not flake or peel off. Carbola kills both germs and vermin. Clean up your poultry house this fall and paint the walls, roosts and nest boxes with Carbola. One pound of Carbola makes 1 gallon disinfecting whitewash cover 200 square feet. **By mail, add Postage.**

Trial Pkg., 25 oz. 30c **10 lbs. $1.25**
50 lbs. $5.00

STERILAC
A DISINFECTANT AND GERMICIDE.

Sterilac is a thoroughly reliable disinfectant, deodorant and germicide, which destroys disease-producing germs and enables the poultry raiser to keep his flock in perfect physical condition.

It is in powder form, easy to handle, and does not lose its strength with age. It is easily dissolved in water, makes a powerful germ-killer, and when used according to directions is non-poisonous, safe, efficient and economical. One ounce will make 30 gallons of standard solution, and it is forty-five times stronger than carbolic acid and much safer.

Once a month during the entire year every building should be thoroughly sprayed with a solution consisting of one heaping teaspoonful of "Sterilac" to five gallons of water. This should be sprayed into every crack and crevice, over the dropping boards, on the roosts, inside and outside the nest, on the ceiling, walls and floor. Will prevent disease and infection.

Size	Price per Bottle
2 oz. Bottle	$1.00
8 oz. Bottle	2.75
1 lb. Bottle	5.00

SPRATT'S FOODS FOR DOGS

"THE BACKBONE OF THE CANINE RACE"

The dog constitution needs a dog diet. Table scraps—toothsome and tasty though they may be—are not only totally unsuitable for the physical requirements of the dog, but are more often than not a direct cause of unfitness. The conditions under which dogs are at present bred and reared make necessary a diet which will provide all the food elements contributing to the formation of bone and muscle, the building and storing up of energy, stamina and vitality, and which will assist to maintain the highly organized canine brain. For sixty years Spratt's have made dogs and their requirements the subject of continued observation and research, and today for every dog, old or young, healthy or sick, there is a Spratt's Food guaranteed to suit exactly his requirements. Throughout the world Spratt's Foods are today the diet of millions of the fittest dogs—the diet directly responsible for their alertness, cleanliness, health and good spirits.

Spratt's Fibo. A unique food containing a larger percentage of Spratt's world famous Meat-Fibrine. It is very appetizing and highly recommended for shy or dainty feeders. Can be given either dry or soaked. **Cartons, 40c; bags, 5 lbs., 90c; 10 lbs., $1.70; 25 lbs., $3.55; 50 lbs., $6.85; 100 lbs., $13.50.** By mail, add postage.

Spratt's Meat Fibrine Puppy Biscuits. A complete and perfect food for puppies from weaning time onwards, and for small breeds as the regular food instead of Spratt's larger Dog Cakes. **Cartons, 40c and 75c; bags 5 lbs., 80c; 10 lbs., $1,50; 25 lbs., $3.20; 50 lbs., $6.20; 100 lbs., $12.25.** If wanted by mail, add postage.

Spratt's Plain Puppy Meal. The Standard Weaning Food. This meal should be used before, during and after the weaning period to insure large, vigorous and healthy puppies. Also an invaluable food for dogs of any age out of condition. **Cartons, 40c; 5 lbs., 70c; bags 10 lbs., $1.35; 25 lbs., $3.05; 50 lbs., $5.95; 100 lbs., $11.75.** If wanted by mail, add postage

Spratt's Meat Fibrine Dog Cakes. For 60 years the standard dog food, used by the leading breeders and fed at the principal dog shows throughout the world. The best results are obtained by giving the biscuit dry, not soaked, thereby compelling the dog to gnaw the food and thus producing a copious flow of saliva which materially aids digestion. **Cartons, 35c and 75c; bags, 5 lbs., 70c; 10 lbs., $1.35; 25 lbs., $3.05; 10 lbs., $5.95; 100 lbs., $11.75.** If wanted by mail, add postage.

Spratt's Rodnim. The twice-a-week change from hard biscuit. Rodnim can be given dry, soaked in water, broth or gravy, or mixed with boiled chopped green vegetables. A fine food for old dogs whose teeth are out of condition. **Bags, 5 lbs., 85c; 10 lbs., $1.60; 25 lbs., $3.45; 50 lbs., $6.55; 100 lbs., $12.90.** By mail, add postage.

Spratt's Oval (The Pocket Dog Biscuits). A small Meat-Fibrine Dog biscuit, suitable as a staple diet for small dogs and toys, and to be carried on a ramble with the dog. **Cartons, 40c; bags, 5 lbs., 80c; 10 lbs., $1.50; 25 lbs., $3.20; 50 lbs., $6.20; 100 lbs., $12.25.** By mail, add postage.

Write for Spratt's free book on "The Care and Feeding of Dogs."

ALKI-LAC BONE BUILDER

MAKES PUPPIES GROW STRONG AND HEALTHY

A mineral compound fed to the matron before and after whelping supplying the essential element in milk which nature requires for the health of the mother and the rapid, vigorous growth of her off-spring.

Alki-lac takes the place of green-bone food and prevents acid milk and rickets or softening of the bones.

Alki-lac is not a complete food in itself, but a small amount being used in conjunction with the regular food. **1 lb., 50c; 5 lbs., $2.00; 10 lbs., $3.75.** By mail, add postage.

All prices subject to change without notice.

Canned Meat Foods for Dogs

Ken-L-Ration. Can be used as a complete food or you can make a soup and pour it over Spratt's Kibbled Biscuits. Ken-L-Ration is rich in meats, cereal, ground bond and cod-liver oil. An appetizing food that will keep your dog in perfect condition. Price: **1 lb. can 15c; 7 cans $1.00; 48 cans (case) $6.50; 7 lb. can 85c; 6 cans (case) $5.00. By mail, add postage.**

Hemo-Ration. A blood making food, especially recommended for breeding animals of both sexes. For Anemic or convalescent animals it is invaluable. Hemo-Ration carries a large percentage of cod-liver oil and is rich in organic iron and Calcium Phosphate. Can be used as a complete food or with Spratt's Kibbled Biscuits. Price: **1 lb. can 15c; 7 cans $1.00; 48 cans (case) $6.50; 7 lbs. can 85c; 6 cans (case) $5.00. By mail, add postage.**

Pup-E-Ration. Contains red meat, organic iron calcium phosphate, Norwegian Cod-Liver Oil and marrow fat—the elements necessary for growth of body, bond and coat. A perfect food for puppies. Also excellent for pregnant bitches. Price: **1 lb. can 20c; 6 cans $1.00; 48 lbs. (case) $7.20; 2½ lb. can 40c; 6 cans $2.25; 18 cans (case) $6.50. By mail, add postage.**

Maro-Meat. A clear, lean meat and marrow product designed to meet the requirements of large kennels for a concentrated basic meat food that is of the best possible quality and low in price. Maro-Meat is highly concentrated and must be fed with other material. For this purpose we recommend Spratt's Kibbled Biscuits. A 2½ lb. can of Maro-Meat supplemented with water and Kibbled Biscuits will make 8 to 12 lbs., of appetizing nourishing food for kennel use. Price: **2½ lb. 45c; 18 cans (case) $7.25; By mail, add postage.**

"LADDIE BOY" BRAND

The Ideal Animal Ration

The perfect balanced food for all breeds of dogs, puppies, kittens and cats.

"Laddie Boy" animal ration comes to you packed in one-pound cans. Ready to serve. No mixing, no fixing.

"Laddie Boy" animal ration is composed of clean, wholesome, cooked meat, baked cereals and pure cod liver oil. Each can is sterilized to a temperature of 245° Fahrenheit.

"Laddie Boy" animal ration is rich in vitamins. It will keep your pets healthy and happy, as it is the only food on the market for animals that is prepared scientifically.

"Laddie Boy" animal ration when fed makes pet-owning a pleasure at a considerable saving of money and labor. Price: **1 lb. can 15c; 7 cans $1.00; 48 cans (case) $6.50.**

DOG MEDICINES

WRITE FOR SPRATT'S BOOK ON FEEDING

Price Includes Postage, Except Where Noted

Spratt's Cooling and Alterative Tablets	$0.60
Spratt's Anti-Rickets Tablets	.60
Spratt's Aperient Biscuits	.60
Spratt's Anti-Asthmatic Tablets	.60
Spratt's Anti-Vomit Tablets	.60
Spratt's Bone Builder	.75
Spratt's Canine Elixir	1.00
Spratt's Consumption Capsules	.60
Spratt's Chorea Tablets	.60
Spratt's Chronic Skin Disease Tablets	.60
Spratt's Cough Tablets	.60
Spratt's Constipation Tablets	.60
Spratt's Digestive Tablets	.60
Spratt's Diarrhoea Tablets	.60
Spratt's Distemper Tablets	1.00
Spratt's Ear Canker Ointment	.75
Spratt's Eye Lotion Tablets	.60
Spratt's Eczema and Sarcoptic Mange Medicine	.60
Spratt's Hair Stimulant and Restorer	.60
Spratt's Kidney Tablets	.60
Spratt's Mange Medicine	.60
Spratt's Mouth and Throat Wash	.60
Spratt's Pneumonia Tablets	.60
Spratt's Purgative Tablets	.60
Spratt's Rheumatism Tablets	.60
Spratt's Tonic and Condition Tablets	.60
Spratt's Worm Capsules	.60
Spratt's Worm Capsules for Puppies	.60
Spratt's Tonic and Condition Tablets for Toy Dogs and Puppies	.60
Spratt's Tonic and Condition Tablets for Cats	.60
Spratt's Distemper Tablets for Toy Dogs and Puppies	1.00
Spratt's Distemper Tablets for Cats	1.00
Spratt's Vermifuge Capsules for Toy Dogs and Puppies	.60
Spratt's Vermine Capsules for Cats	.60
Large Packages by Express Only—	
Spratt's Dip, ¼-gal. cans	2.00
Spratt's Dip, 1-gal. cans	4.00
Spratt's Mange Medicine, ½-gal. cans	2.00
Spratt's Mange Medicine, 1-Gal. cans	4.00
Spratt's Eczema and Sarcoptic Mange Medicine—(Ointment)—	
1 lb	2.00
2 lbs	4.00
Spratt's Worm Capsules, Kennel size	5.00
Spratt's Worm Capsules for Puppies, Kennel size	5.00

These packages contain 15 times the quantity packed in a 60c package.

HOOKWORM REMEDY

In the last few years there has appeared a worse menace than distemper, namely the hook-worm. Owing to the fact that these worms are hard to discover and usually have done their damage when they are discovered, makes them doubly dangerous. They are the cause of the death of many puppies, not only directly but also indirectly, because they weaken the puppy and make death an easy job for distemper. Write or ask for booklet entitled, "Treatment of the Hookworm disease in dogs." Tetrachlorethylene will remove both hook and round worms. It is a safe and effective anthelmintic.

TETRACHLORETHYLENE

For small puppies. **50c, $1.00 and $2.50—Postpaid.**
For medium puppies and small dogs. **50c, $1.00 and $5.00—Postpaid.**
For large dogs. **50c, $1.00 and $5.00—Postpaid.**
Assorted larger sizes. **50c, $1.00 and $5.00—Postpaid.**

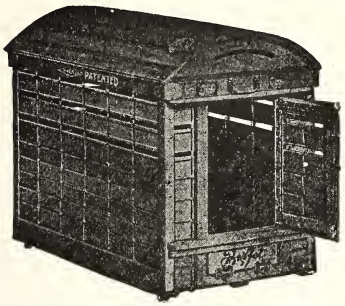
MAGNESIUM SULPHATE

The proper physic to be used after giving Tetrachlorethylene. Do not use oils after using Tetrachlorethylene. **50c, $1.00 and $5.00—Postpaid.**

TAPE-WORM TABLETS

These tablets are the best that we have ever used for removing tapeworms. They work in 30 minutes to one hour and get the tape-worm, head and all. No physic required. **75c, $3.00 and $5.00—Postpaid.**

BACKUS PULLMAN CRATE



For Shipping Dogs with Greatest Possible Convenience Comfort and Luxury—Handsomest Dog Crate Made.

All the fittings and hardware used are solid brass, also brass door knobs with padlock. Has buffet for feeding and galvanized iron water cup fillable from outside of crate. Removable false bottom for cleaning, perfectly ventilated, substantially made, very light and extra handsome in appearance.

Inside Measurements Long-wide-high	Weight	
No. 1—24 x 16 x 18	30 lbs	**$27.50**
No. 2—30 x 19 x 22	37 lbs	**28.50**
No. 3—36 x 22 x 26	56 lbs	**29.50**
No. 4—42 x 24 x 32	73 lbs	**36.50**
No. 6—33 x 26 x 28	62 lbs	**34.50**

Size Shipping Crates to Order.

No. 1 Pullman or No. 91 Utility—For Fox, Boston, Scotch and Sky Terriers, Cocker Spaniels, Bull Dogs, Beagles and the like.

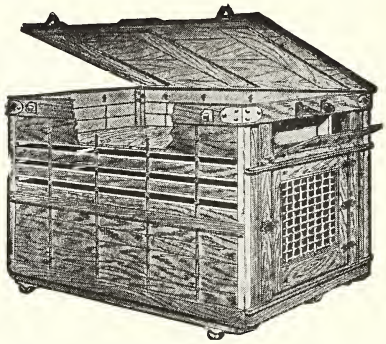
No. 2 Pullman or No. 92 Utility—For Bull, Irish and Airedale Terriers, and small size Pointers, Setters and Collies.

No. 3 Pullman or No. 93 Utility—For Setters, Pointers and Collies.

No. 6 Pullman—For two Pointers, two Setters, or two Collies.

No. 4 Pullman or No. 94 Utility—For Greyhounds, Wolfhounds, Police Dogs and small size Great Danes.

BACKUS "HUNTER STYLE"



This crate is made especially for Hunters and also for Show men who prefer a crate in which they can ship their dog and also paraphernalia that might be required on a trip; the Hunter his gun and ammunition—the Showman, his brushes, combs, chains, blankets, etc., for keeping his dog in condition at the show.

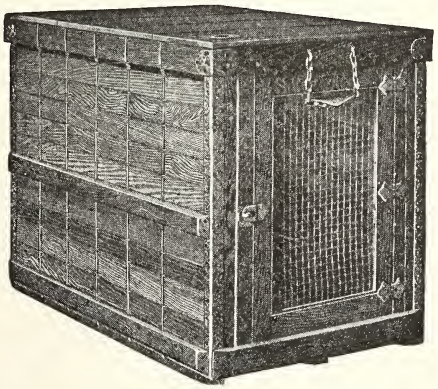
Perfectly Ventilated.

As illustrated, this crate besides having the regular place for the dog also has a compartment in which many things can be carried. This compartment has a hinged cover on the top and two hasps for fastening cover. Perfect ventilation for the dog, general construction of crate similar to our celebrated style.

Made only in one size for Setter or Pointer dog. Place for dog measures inside; 36 in. long, 21 in. wide, 26 in. high. Compartment on top measures inside; 33 in. long, 21 in. wide. 6 in. high.
Each.....**$30.00**

Crate is equipped as follows: Has drinking cup which can be filled from outside of crate. Receptacle for food with spring door. False bottom which can be removed for cleaning. Rollers on bottom. One padlock for door.

BACKUS UTILITY DOG SHIPPING CRATE



For Shipping Dogs Safely and Comfortably by Express.

Made of tough elm slats woven together with galvanized steel wire, ironed to prevent gnawing. All metal parts are galvanized

Corners are ironed and riveted and will not pull apart. Heavy iron mesh in door and opening in back for ventilation. Light in weight and stands roughest usage.

Inside Measurements Long-wide-high	Weight	
No. 91—24 x 16 x 18	24 lbs	**$10.00**
No. 92—30 x 12 x 22	37 lbs	**11.50**
No. 93—36 x 22 x 26	47 lbs	**12.50**
No. 94—42 x 24 x 32	60 lbs	**17.50**

DOG CARRYING BASKET

Made of French imported willow wire. Light in weight. These baskets have a door in the side and are ideal for carrying a dog. Made in 3 sizes.

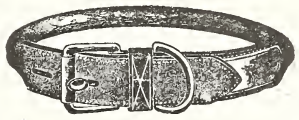
	Long	Wide	High	Price
No. 1	17 in.	10½ in.	10 in.	**$3.50**
No. 2	19 in.	13 in.	11 in.	**4.75**
No. 3	22½ in.	15 in.	14 in.	**6.00**

ITEMS ON THIS PAGE SHIPPED BY EXPRESS ONLY

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

DOG FURNISHINGS

ROUND COLLAR



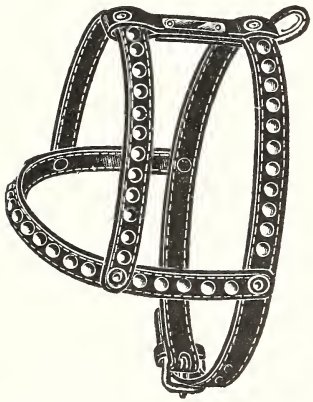
No. 1480. Length 15, 17, 19 in., 5/8 in. wide....**$1.40**
No. 1481. Length 17, 19, 21 in., 1 in. wide..... **1.60**

ROUND CHOKE COLLARS

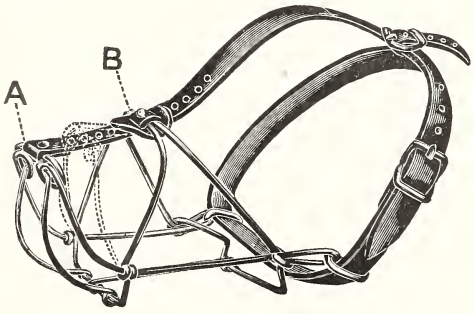
No. 1485. Length 22, 24, 26 in., 1 in wide.....**$2.50**

HARNESS

Brass Trimming, Black or Russet

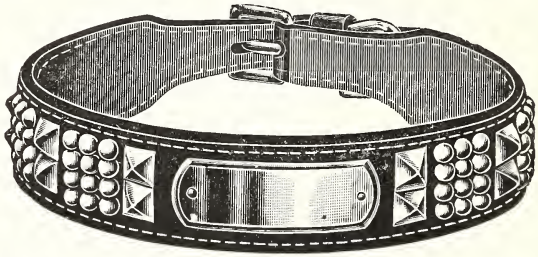


No. 2165 Length 17, 19, 21 in., 3/8 in. wide....**$2.00**
No. 2166 Length 17, 19, 21 in., 1/2 in. wide.... **2.50**
No. 2167 Length 20, 22, 24 in., 5/8 in wide..... **3.00**
No. 2168 Length 24, 26, 28 in., 3/4 in. wide.... **3.50**
No. 2169 Length 28, 30, 32 in., 1 in. wide..... **4.00**



FANCY DOUBLE LEATHER COLLAR

Brass Trimmings, Lock Tongue Buckle
Black or Russet



No. 1275. Length 12, 14, 16 in., 3/8 in. wide....**$1.50**
No. 1276. Length 12, 14, 16 in., 3/4 in. wide.... **2.00**
No. 1277. Length 14, 16, 18 in., 1 in. wide..... **2.50**
No. 1278. Length 16, 18, 20 in., 1 1/4 in. wide... **3.00**

HARNESS

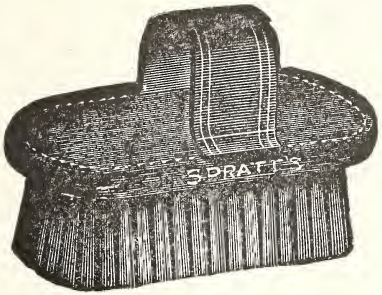
Patent Leather. Suitable for all Breeds, Combination black, red and green Lock Tongue Buckle A Beautiful Harness.

No. 2185. Length 18, 20 22 in., 1/2 in. wide....**$3.50**
No. 2186. Length 20, 22, 24 in., 3/8 in. wide.... **4.00**
No. 2187. Length 24, 26, 28 in., 3/4 in. wide.... **4.50**
No. 2188. Length 28, 30, 32 in., 1 in. wide..... **5.00**

ADJUSTABLE WIRE MUZZLE

No. 1. For smallest dogs—Poms, Pekes, etc...**$0.40**
No. 2. For medium dogs—Fox Terriers, Scotties, etc..... **.50**
No. 3. For large dogs—Airdales, Collies, etc.... **.60**
No. 4. For largest dogs—Mastiffs, Danes, etc.. **.70**

SPRATT'S WIRE DOG BRUSHES

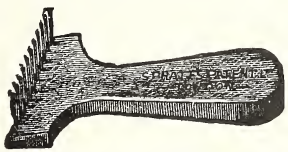


All wire, 3¼ inches by 6 inches.....$1.50
Wire and fiber, 3¼ inches by 6 inches..... 1.50
No. 28—Wire and hair, 2½ inches by 5¼ inches..... 1.50

WALLEY'S DRY CLEAN PATENT DOG BRUSH

Walley's brush and metal holder, complete.....$1.50
Antiseptic dry clean powder, per tin..... .30

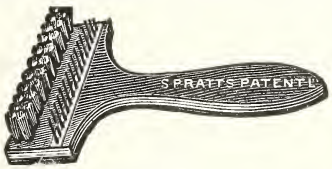
DOG COMB OR RAKE



Single or double rows of teeth. Especially suited for French Poodles and rough-coated dogs.

Each.....Single **$1.00** Double **$1.25**

COMBINATION DOG BRUSH AND COMB

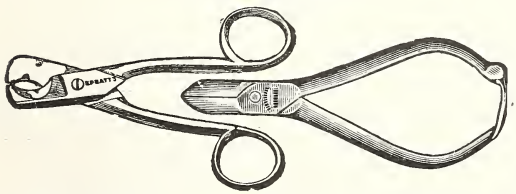


Most suitable for rough-coated dogs, horses' manes, etc. Invaluable to the kennel and stable.

Each.....$1.50

NICKEL-PLATED NAIL NIPPERS

(As illustrated)

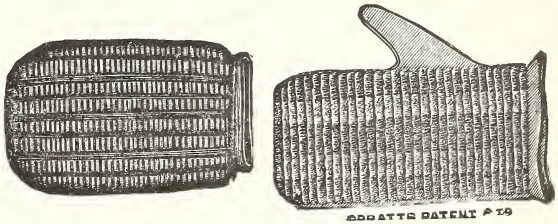


No. 665—Domestic.....$1.25
Spratt's nail nippers..... 3.00

FRENCH PATENT SNAPS

No. 0—(Tiny.) Each.....$0.40
No. 1—(Small.) Each..... .45
No. 2—(Medium.) Each..... .50
No. 3—(Large.) Each..... .55

DOG GLOVES

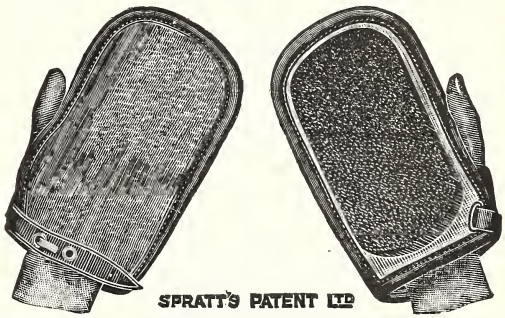


Unrivaled for producing a healthy, sleek, and glossy surface, on the coats of Greyhounds, Foxhounds, Bulldogs, and other smooth coated dogs.

When ordering single gloves specify whether right or left-handed glove is desired.

Hair on two sides.....$2.50
Hair on one side only..... 1.25
Washing gloves..... .40

SPRATT'S WIRE FIBRE DOG GLOVES



The advantages claimed by this glove are efficiency, cleanliness and durability. Especially suitable for Greyhounds, Cocker Spaniels, Bulldogs, Great Danes, Shepherds and Wire-haired Dogs.

Each.....$3.75

PATENT FLEXIBLE DOG BRUSH

Especially suitable for Greyhounds, Danes and close-coated dogs. This brush, which is made from flexible wire, with a rubber back, commends itself to all Exhibitors of Show Dogs, and others.

Each.....$1.75

PENETRATING BRUSH FOR DOGS

(Domestic)

Woodback, small, 3x6.....$1.50
Leather, small size, 3x6..... 1.50
Made from best quality gray Russian Akatka bristles.
The best all-round brush ever offered to the public.

SPRATT'S DOG COUPLES (Imported)

Order by number.....	**No. 00** Toy	**No. 1** Large	**No. 3** Bull
Suitable for.....	Dogs	Terriers	Dogs
Nickel-plated.....	**$1.25**	**$1.25**	**$1.50**

Order by number.....	**No. 0** Small	**No. 2** Collies	**No. 4** Great
Suitable for.....	Terriers	Setters	Danes
Nickel-plated.....	**$1.25**	**$1.25**	**$2.00**

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

COMBS

Best Nickel-Plated Steel Combs (Imported).

7 inches long

No. 1—Coarse teeth.....**$1.75**
No. 2—Medium teeth..... **1.75**
No. 3—Coarse and fine teeth..... **1.75**
No. X—Very Coarse..... **1.75**

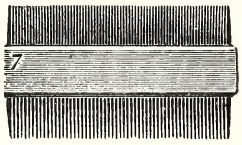
These are suitable for Collies, Setters, etc.

4 inches long.

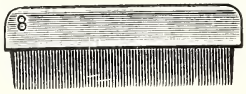
No. 4—Coarse.....**$1.25**
No. 5—Medium..... **1.25**
No. 6—Fine..... **1.50**
No. 0—Flea comb..... **1.50**

These are suitable for Terriers, Spaniels, etc.

No. 6 is the celebrated flea comb, used on cats and dogs, recommended by leading breeders.



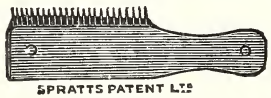
No. 7—Nit comb; double row teeth, one side fine teeth, other side very fine.....**$1.75**



No. 8—Tiny comb. Very fine teeth.....**$1.00**
No. S—Flea comb. Long teeth..... **1.50**

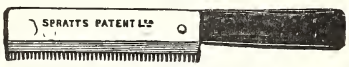
NOTE—We can recommend Nos. 7, 00 and 8 as being most effective for ridding short-haired cats and dogs of fleas.

Solid Steel Stripping Comb No. 9.



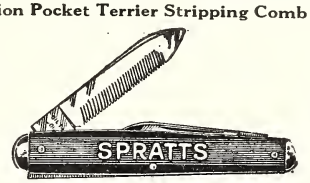
No. 9—Solid steel stripping comb for Terriers, etc., each....**$1.00**
No. 14—Stripping comb, same as No. 9, but has teeth on two sides, with leather case..... **1.50**

Solid Steel Stripping Comb with Horn Handle No. 10.



Very fine short teeth, most suitable for combing Fox and Irish Terriers, each.....**$1.50**

Combination Pocket Terrier Stripping Comb and Knife.



This combination stripping comb surpasses anything introduced for kennel convenience where rough or wire haired dogs are cared for. As illustrated each.....**$2.50**

Stripping Combs.

Taylor Adjustable, Single.....**$1.75**
Taylor Adjustable. Double..... **2.00**
No. 11—Folding..... **1.75**

Nickel-Plated Steel Flea Comb with Wood Handle.

No. 6A—Each.....**$1.75**

Imported Steel Combs No. 9.

(Nickel-plated), with handle, for rough-coated dogs.....**$1.50**

BRUSHES

Special Brush for Toy Dogs and Cats.

An imported brush for Yorkshire Terriers and silky-coated toy Dogs and Cats. Made from the best Russian bristles. Will last for years.

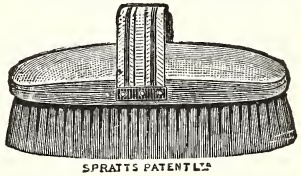
No. 58A—White Bristle, as illustrated.....**$3.25**
No. 59B—Black Bristle, as illustrated..... **2.50**
No. 60—Gray bristle, as illustrated..... **2.00**
No. 59A—White bristle, large..... **3.50**

Slanting Bristle Brushes.

These brushes are invaluable for Bulldogs, Terriers and other smooth-coated dogs.

No. 1-25—Slanting Bristle brush, with handle (as illustrated).....**$1.75**
No. 25—Slanting bristle brush, small (as illustrated)..... **1.75**

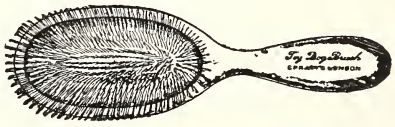
Whalebone Brushes.



Suitable for Collies, St. Bernards, Setters and other rough coated dogs.

No. 38X—(As illustrated).....**$2.25**
No. 9—(With handle)..... **1.75**
No. 42..... **1.50**
No. 40—(With handle)..... **1.50**
No. 50—(Small for Terrier)..... **.85**

The "Pneumatic" Toy Dog Brush No. F-131.



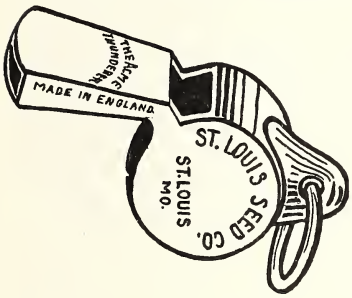
With handle. Stiff bristles, in rubber. As illustrated.

Each.....**$3.25**

EXTRA QUALITY
LEATHER LEADS
RUSSET
HAND STITCHED—IMPORTED FRENCH SNAP

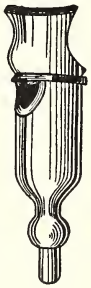
	Flat	Round		Flat	Round
No. 2215—¼-inch	$1.00	$1.75	No. 2215—½-inch	$1.25	$2.50
No. 2215—⅜-inch	1.15	2.00	No. 2216—⅝-inch	1.40	3.00
No. 2216—¾-inch	1.55	3.25			

"ACME THUNDERER" WHISTLE



We believe that the "Acme Thunderer" is the best whistle made. It is very loud and is easy to blow. The "Acme Thunderer" can be heard at a great distance. Most professional field trial handlers use "Acme Thunderer." If you have a wide-going dog or an independent hunter that gets lost, this is the best whistle to use. Owing to the fact that we import these whistles in large quantities, we can sell them at a reasonable price.

Small whistle. **Postpaid**	$0.60
Medium whistle. **Postpaid**	.75
Large whistle. **Postpaid**	.85
Acmeoid (Bakelite). **Postpaid**	1.00

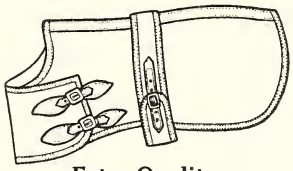


HORN WHISTLE

These whistles are made of buffalo horn and serve very well for hunting dogs that do not go wide. They are not as loud as the "Acme Thunderer" but many sportsmen like them because there is no danger of their freezing to one's lips in cold weather.

Buffalo horn whistle. **Postpaid**....$0.75

BLANKETS

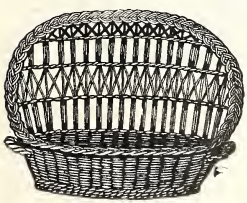


Extra Quality

10-in	$2.00	16-in	$3.00
12-in	2.25	18-in	3.50
14-in	2.50	20-in	4.00

WILLOW SLEEPING BASKET

For Dogs and Cats, Keeps Them from Sleeping on Beds, Chairs, Etc.



Animals prefer their own beds same as humans. Better for them and you. No hairs on furniture, no mud prints. Made from finest imported French swamp grown willow. Can be lined to keep off drafts and little night drop curtains can be hung from top edge. Light, strong, durable.

	High	Long	Wide	
No. 1—Tiny	17 in.	16 in.	11 in.	$3.00
No. 2—Small	18 in.	17 in.	12 in.	3.50
No. 3—Medium	20 in.	19 in.	13 in.	4.00
No. 4—Large	22 in.	22 in.	14 in.	4.50
No. 5—Extra large	24 in.	24 in.	16 in.	5.00

DOG MATS

Every dog should be provided with a comfortable and sanitary bed. The health and well-being of your dog, however, is not all. It is important that you and others in the home should be protected against unsanitary conditions. In construction, shape and materials, this Dog Mat provides the maximum of comfort and cleanliness. Oval in shape and built of a special patented material, with soft, brushy surface. Light brown center with dark brown border, bound with braid. Very attractive, durable and light. Has a concave top surface with sloping raised and cushioned edge. This serves as a head and neck rest, enabling the dog to sleep and relax as nature intended, and also protecting him from drafty floors.

Small Size. For dogs the size of the average Boston Terrier. **$5.00**

Medium Size. For dogs the size of the average Airdale. **$7.00**

Large Size. For dogs the size of the average Shepherd. **$9.00**

Sizes for larger dogs made to order

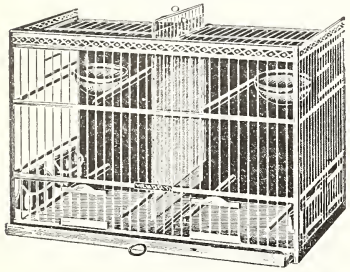
Deodorizer (Liquid treatment) 16 oz. can....$1.00

SLEEPING BASKETS AND DOG MATS CAN BE SENT BY EXPRESS ONLY

CANARY BIRD SUPPLIES

BREEDING CAGES

Japanned cages with solid and wire partitions, metal drawer and closed back. Comes complete with four glass cups, six perches and two nests. These cages are all metal and are absolutely vermin proof.



	Long	Wide	High	
No. 86-S.	17¼ inches	8¾ inches	14 inches	**$5.00**
No. 86.	19½ inches	10 inches	14¾ inches	**5.75**
No. 87.	22 inches	11 inches	16¼ inches	**6.50**
No. 88.	24½ inches	12½ inches	17 inches	**7.25**

BIRD SUPPLIES

Cage Brackets and Springs

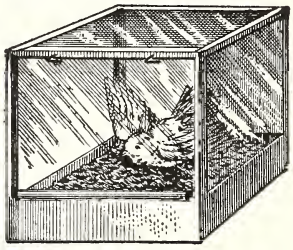
No. 224. Nickeled, 8-inch. **Each** **$0.15**
Postpaid ..... **.17**
No. 3710-B. Brass, 10-inch. **Each** ..... **.25**
Postpaid ..... **.27**
No. 3712-B. Brass, 12-inch. **Each** ..... **.35**
Postpaid ..... **.37**
Cage Springs. Single heavy. **Each** ..... **.25**
Postpaid ..... **.27**
Cage Springs. Double heavy. **Each** ..... **.25**
Postpaid ..... **.27**
Bird Nests. **Each** ..... **.15**
Postpaid ..... **.17**

CAGE ACCESSORIES

Bath House. White enameled tin with removable glass sides. To use, open door of cage and attach. Fits any cage. Bird cannot spill water in cage.

Each, 65c.

Postpaid, 75c.



Canary Bath House

Tulip cups, opal or glass.

Each, 15c; Postpaid, 18c.

Shell cups, opal or glass. **Each** **$0.15**
Postpaid ..... **.18**
Single Point cups, opal. **Each** ..... **.15**
Postpaid ..... **.18**
Opal Bird Baths. **Each** ..... **.15**
Postpaid ..... **.18**

St. Andreasberg Foods and Remedies

St. Andreasberg Bird Joy, Per cube	**$0.15**	**By mail**	**$0.17**
St. Andreasberg Bird Seed, Per lb	**.25**	**By mail, add postage.**	
St. Andreasberg Bird Cordial	**.25**	**By mail**	**.30**
St. Andreasberg Song Restorer	**.25**	**By mail**	**.30**
St. Andreasberg Bird Gravel	**.10**	**By mail, add postage for 4 lbs.**	
St. Andreasberg Mite Powder	**.15**	**By mail**	**.20**
St. Andreasberg Bird Salve	**.15**	**By mail**	**.17**
St. Andreasberg Nestling Food	**.25**	**By mail**	**.30**
St. Andreasberg Nesting Hair	**.10**	**By mail**	**.12**
St. Andreasberg Shell Producer	**.20**	**By mail**	**.25**
St. Andreasberg Feather Restorer	**.25**	**By mail**	**.28**
St. Andreasberg Antiseptic Wash	**.25**	**By mail**	**.28**

When ordering heavier articles, such as Bird Gravel, Bird Seed, etc., it is usually cheaper to order a large quantity and have the goods sent by express.

Our central location makes it possible to get goods to you upon short notice and at a minimum expense.

WRITE FOR ST. ANDREASBERG BIRD BOOK. IT'S FREE

SPRAYERS THAT SPRAY

SPRAY YOUR ORCHARD AND SAVE YOUR FRUIT

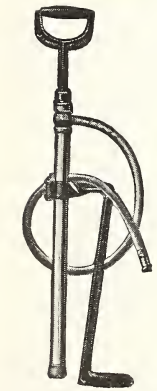
THE many advantages due to proper spraying are so numerous that they cannot be told here. Everybody knows that in the garden, the orchard and the poultry house, spraying returns a profit that far exceeds any on so small an investment and short time necessary to spray. Bigger crops and better fruit are one of the few results, and by producing such crops you can expect to make your orchard pay.

We can supply you with any kind of a sprayer from the small tin atomizer to the large barrel spray. Let us know your needs in the sprayer line and we are sure that we can supply you with what you need.

MYER'S COMPRESSED AIR SPRAYER

An extra heavy material chamber with a 1¾-inch brass tube cylinder attached to the can by means of a heavy brass screw nut. The handle is D-shaped and large enough to be operated by anyone in perfect comfort. By means of a small lever the spray can be adjusted from a broad fine spray to a heavy single stream. The valve is made of a pliable rubber disk supported by a metal plate held in position by a brass coil spring and brass spring on which it operates.

No. 296. Galvanized.....**$6.50**
No. 297. Brass.....**9.50**
Extra 34-in. pipe extension..... **.40**



Price Bucket Pump

PERFECTION SPRAYERS

A COMPRESSED AIR SPRAYER that is riveted. An extra strong sprayer. The automatic shut-off nozzle is built for high pressure work. Four-gallon capacity.

Galvanized.....**$6.50** **Brass**.....**$9.50**

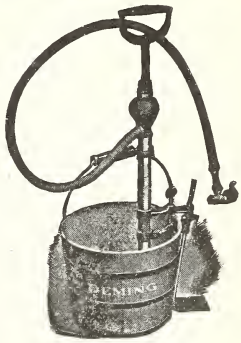
Junior Perfection—A small compressed air sprayer of the "Perfection", type. The capacity is 2½ gallons and owing to the fact that it is not so heavy, it is a great favorite among the ladies.

$4.75; postpaid, $5.00.

PRIZE BUCKET PUMP

Double acting works on both up and down stroke and throws a continuous stream. Can be used with any ordinary pail or bucket. Pump has seamless brass body cylinder, heavy brass plunger, brass ball valves, is equipped with an Acme nozzle, 3½ feet of rubber spray hose and strainer on bottom to prevent clogging.

$4.00; by mail, $4.25



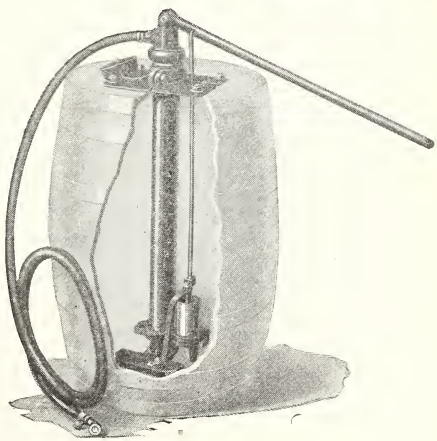
Perfect Success

DEMING'S PERFECT SUCCESS

Has brass ball air chamber to cushion the stream, giving it uniform pressure. Working parts same as Prize bucket spray. Can be fastened to bucket and entire outfit carried from place to place. Comes with 4 feet ⅜-inch discharge hose and Bordeaux nozzle. **$7.00; by mail, $7.25.**

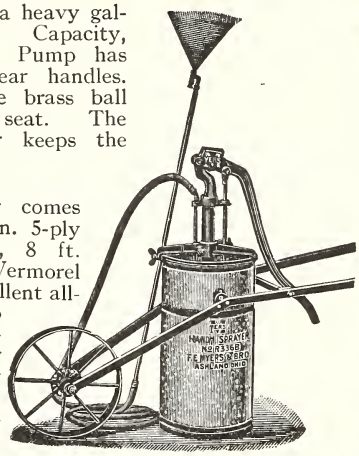
DEMING'S CENTURY BARREL PUMP

The "Century" is proof against corrosion, as all working parts are brass; is so substantially constructed as to be practically exempt from breakage; is easy to operate and a fine buy for the orchardist. Universal Iron Base—adjustable to any size or depth of barrel—fits the flat head or curved side of barrel. This, with foot lug, keeps pump absolutely rigid during operation. Base fits 7x10-inch hole. Four hook-bolts with large thumb nuts attach base to barrel head. The cylinder has a 4-inch stroke and is always submerged and primed. Plunger has a special fabric packing, chemically treated. Solid bronze valves and bronze valve seats. By removing four bolts, both suction and discharge valves may be taken out for examination and repairs. Twin paddle type agitator. Brass discharge "Y" for two leads of hose. **$18.50.**



MYERS' PORTABLE SPRAYER R-336B

Made of extra heavy galvanized iron. Capacity, 12½ gallons. Pump has patented cog-gear handles. The valves are brass ball with a brass seat. The dasher agitator keeps the material stirred.

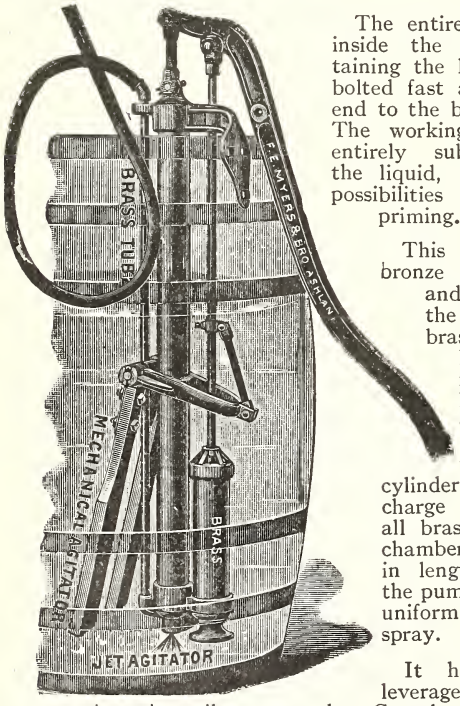


This sprayer comes with 15ft. ½ in. 5-ply discharge hose, 8 ft. extension and Vermorel nozzle. An excellent all-around pump and is especially handy where turning in narrow places is necessary.

Each **$25.00**

Extra extension pipe, 8 ft. **Each** ..... **.75**

MYERS' BARREL SPRAYER No. 305B



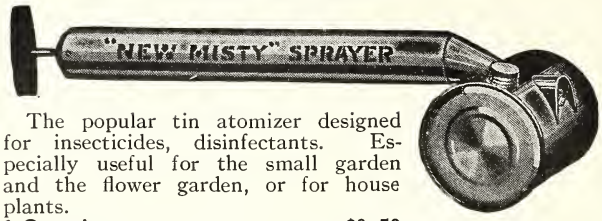
The entire pump sets inside the barrel containing the liquid, being bolted fast at its upper end to the barrel staves. The working parts are entirely submerged in the liquid, avoiding all possibilities of losing priming.

This pump has bronze ball valves and brass seats; the plunger is brass, fitted with hemp packing. Will handle hot, cold or any caustic mixture. The cylinder and discharge pipes are all brass. The air chamber is 30 inches in length, enabling the pump to throw a uniform and elastic spray.

It has a good leverage, is very powerful and easily operated. Complete, with one lead of 15 ft. 5-ply discharge hose, graduating Vermorel nozzle and mechanical agitator.

Each..... **$14.00**

NEW MISTY

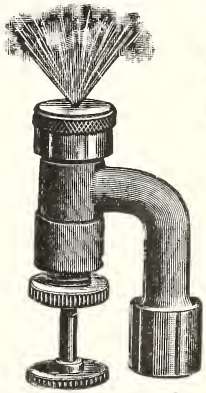


The popular tin atomizer designed for insecticides, disinfectants. Especially useful for the small garden and the flower garden, or for house plants.

1 Qt., size..... **$0.50**

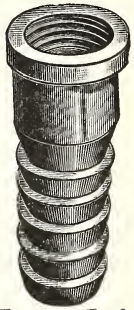
By mail add 25c for Postage and Packing.

EXTRA PARTS FOR SPRAYERS

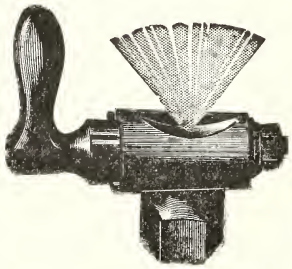


Vermorel Nozzle

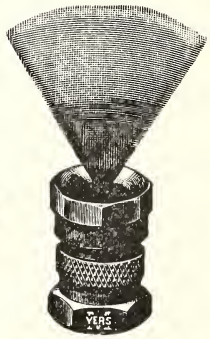
Male End



Female End



Bordeaux Nozzle

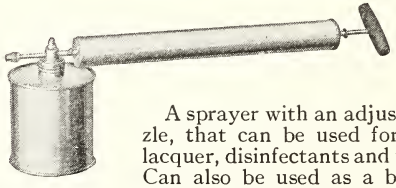


Sprinkling Nozzle

Bordeaux Nozzle	**$1.00**	**Sprinkling Nozzle**	**$0.30**
Vermorel Nozzle	**.80**	**Male End**	**.25**
Imperial Nozzle	**.40**	**Female End**	**.25**
Y	**.50**	**Bend**	**.25**

BAMBOO EXTENSION RODS—8 feet long. Each, $4.50; 10 feet $5.50; stop-cock, $1.50.

G-V SPRAYER



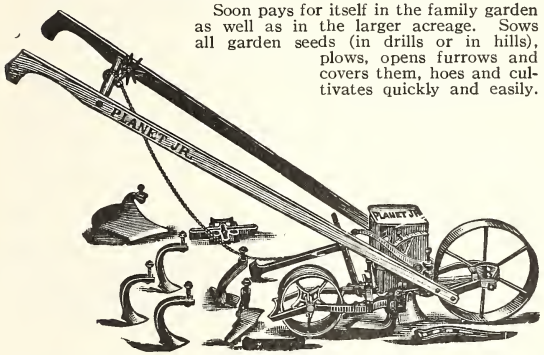
A sprayer with an adjustable nozzle, that can be used for spraying lacquer, disinfectants and fly sprays. Can also be used as a blow torch using ordinary kerosene. Complete directions with every sprayer. **Price: tin $1.50; brass, $2.50; By mail add 25c for postage and packing.**

PLANET JR. FARM AND GARDEN IMPLEMENTS

Carefully made of best materials. Save time, labor, money. Specialized tools made by Specialists.

No. 4 PLANET JR. COMBINED HILL and DRILL SEEDER and WHEEL HOE

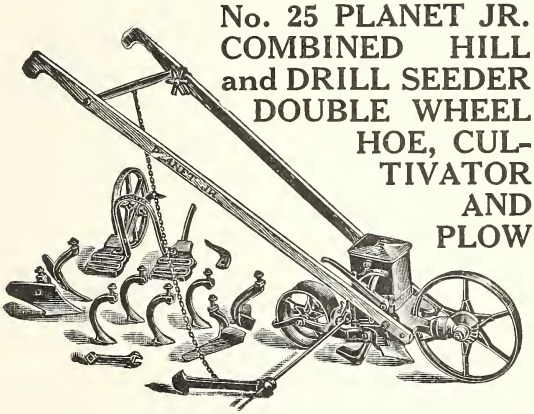
Soon pays for itself in the family garden as well as in the larger acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily.



Complete, $18.00

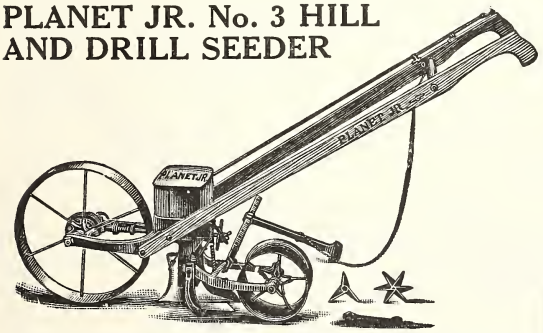
No. 4D, Hill and Drill Seeder, same as above less the cultivating attachments. **$14.25.**

No. 25 PLANET JR. COMBINED HILL and DRILL SEEDER DOUBLE WHEEL HOE, CULTIVATOR AND PLOW



A favorite among market gardeners, onion growers, or large gardeners. It is a perfect seeder and combined double and single wheel hoe. **No. 25. Complete, $21.50.**

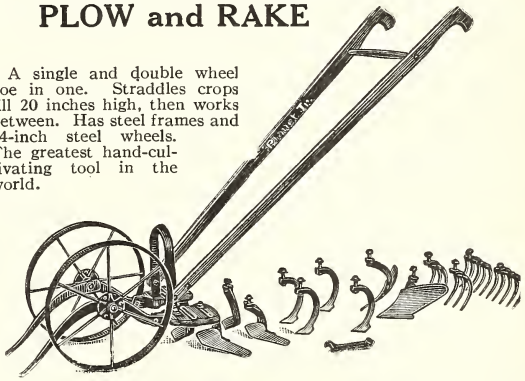
PLANET JR. No. 3 HILL AND DRILL SEEDER



A favorite among onion growers, market gradeners. **The hill dropping** is simple and reliable, making hills either 4, 6, 8, 12 or 24 inches apart. 15-inch Steel Drive Wheel. Holds 3 quarts of Seed. Weight packed, 44 lbs. **$17.50.**

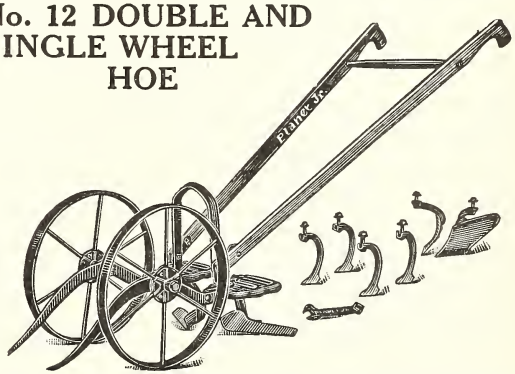
No. 11 PLANET JR. DOUBLE WHEEL HOE CULTIVATOR PLOW and RAKE

A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Has steel frames and 14-inch steel wheels. The greatest hand-cultivating tool in the world.



No. 11 Planet Jr. Cultivator. $13.75

No. 12 DOUBLE AND SINGLE WHEEL HOE



No. 12 Planet Jr. Double and Single Wheel Hoe is identical with No. 11, except that the 4½-in. hoe and the rakes are omitted from the equipment. **$10.75.**

No. 13 PLANET JR. DOUBLE and SINGLE WHEEL HOE

No. 13 has same frame, wheels and handles as Nos. 11 and 12, but has for equipment one pair of 6-inch hoes only, the most useful of the cultivating attachments and all that some onion-growers and others want. **$8.00.**

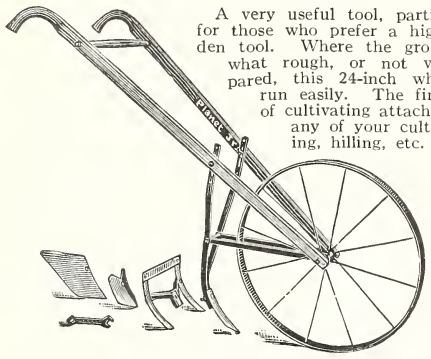
No. 17 PLANET JR. SINGLE WHEEL HOE

These Single Wheel Hoes have steel frames and 15-inch steel wheels. **$7.75.**

GARDEN IMPLEMENTS—Continued

Give years of satisfactory service after moderate cost is forgotten. Cheapest in the long run.

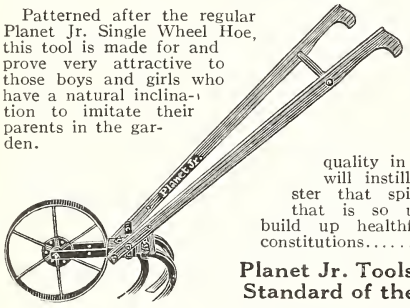
No. 19 GARDEN PLOW AND CULTIVATOR



A very useful tool, particularly made for those who prefer a high wheel garden tool. Where the ground is somewhat rough, or not very well prepared, this 24-inch wheel hoe will run easily. The fine assortment of cultivating attachments will do any of your cultivating, plowing, hilling, etc.

Equipment 1 1¼ - inch cultivating tooth; 1 4-inch cultivating tooth; 1 garden plow; 1 reversible combination of seuffle blade and 3 cultivating teeth. 24-inch steel wheel **$6.00**

PLANET JR. JUVENILE WHEEL HOE

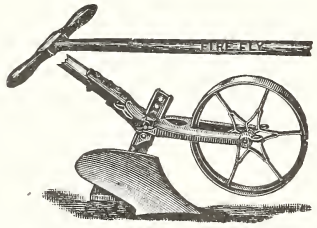


Patterned after the regular Planet Jr. Single Wheel Hoe, this tool is made for and prove very attractive to those boys and girls who have a natural inclination to imitate their parents in the garden.

Equipment consists of 3 narrow cultivator teeth. Tool is made of the best material, and is up to Planet Jr. quality in every way. It will instill in the youngster that spirit of industry that is so useful and will build up healthful and sturdy constitutions..... **$2.50**

Planet Jr. Tools Are the Standard of the World.

FIREFLY GARDEN PLOW



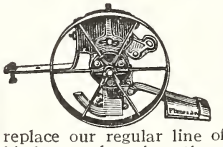
Exceedingly useful to owners of small gardens, throwing a furrow four to six inches wide and one to three inches deep. This tool will enable a busy man to do all his garden work in a few minutes. Fine for scratching up the chicken yard..... **$4.25**

EXTRA For PLANET Jr. TOOLS

Plow for Single Wheel Hoe. Each	**$1.50**
S100–101 Hoe. 7½ inch Blade, pair	**1.30**
Rakes. Each, 3-tooth, 65c; 5-tooth	**.85**
Disc Hoes. Pair	**3.50**
Three-Prong Cultivator Teeth. Each	**1.15**
Cultivator Teeth. Each	**.40**

No. 35 PLANET JR. SEEDER ATTACHMENT

For Wheel Hoes and Garden Plows

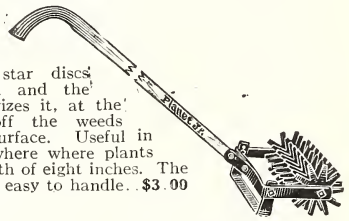


Ever since the wheel hoe replaced the hand hoe in the kitchen garden there has been an insistent demand for a small seeder. The seeding attachment shown here can be attached to any Planet Jr. Single or Double Wheel Hoe or Garden Plow.

Remember this attachment does not replace our regular line of seeders—it is intended for the small kitchen garden where the rows are usually short—not large enough to warrant the purchase of a complete seeder. It is just as accurate as the larger models and change from one seed to another is made in a few minutes.

Everyone raising his own table vegetables should have this attachment..... **$6.50**

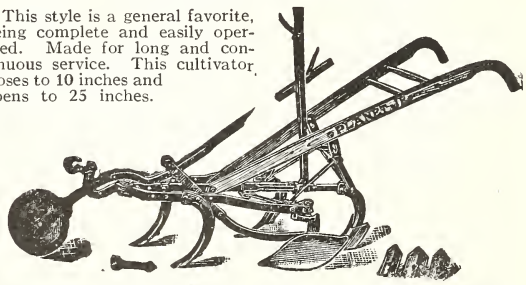
STAR PULVERIZER, CULTIVATOR AND WEEDER



This new type of the Star Pulverizer has one row of star discs and an oscillating blade. The star discs break up the ground and the oscillating blade pulverizes it, at the same time cutting off the weeds directly beneath the surface. Useful in flower gardens or anywhere where plants are close. It cuts a width of eight inches. The curved handle makes it easy to handle. **$3.00**

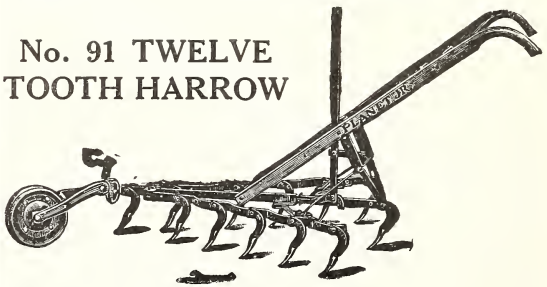
No. 8 PLANET JR. HORSE HOE AND CULTIVATOR

This style is a general favorite, being complete and easily operated. Made for long and continuous service. This cultivator closes to 10 inches and opens to 25 inches.



The lever expander and depth regulator make this an easy tool to use. The teeth are made of bevel steel and hardened.
Complete..... **$16.25**

No. 91 TWELVE TOOTH HARROW

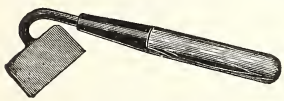


This twelve-tooth Harrow gives excellent satisfaction. For farmers and gardeners it is unequaled for deep or close cultivation or when desired to work a crop thoroughly without hilling. For the strawberry grower it is invaluable..... **$12.75**

GARDEN IMPLEMENTS—Continued

Asparagus Knife

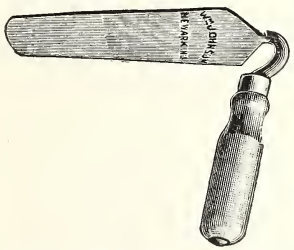
Asparagus Knife. Highest grade crucible steel, highly polished blade, 7¾ inches long, 1¼-inch blade. Fastened by two rivests in highly polished hardwood handle. **Each**.....**$0.50**



Beet Hoe

Beet Hoe. A handy little tool for gardeners to thin out lettuce, beets and other small vegetables. 8-inch handle. **Each**.**$0.50**

Garden Trowel. One piece all stub very best made, **price, $1.25.**



Garden Trowel. One solid piece of steel and will outwear all others. Fine for transplanting.
Each.....**$1.50**

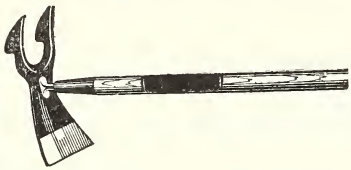
Garden Dibble

Garden Dibble. All iron; is used for transplanting small plants. Has polished steel point. **Each**.....**$0.85**

"McKenney" Tree Pruners

Number 1 has two cutting blades, drop forged from tool steel. The handles are of steel and the hand grip designed so that it may be carried on the belt. Length, 23 inches.
Each.....**$4.50**

Number 2 cuts limbs 1¼ inches in diameter easy and perfect. Same as No. 1, only larger.
Each.....**$6.50**

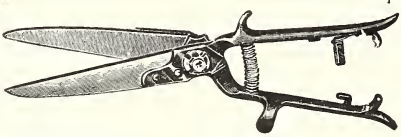


Acme Weeder or Hand Cultivator. Combination hoe and cultivator combined. Made of solid steel. **Each, $1.25**

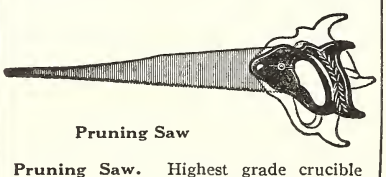
Garden Rake. All steel, with short teeth, for walks and driveways. **16 teeth, Each**.....**$1.50**

Lawn Rake, Ole Olson. The wooden teeth in this rake are mortised thru the head and clinched in a way that holds them absolutely tight and rigid. **26 teeth, Each**.....**$1.75**

Garden Hoe. Highest grade crucible forged steel, oil tempered polished blade. **Each**.....**$1.00**

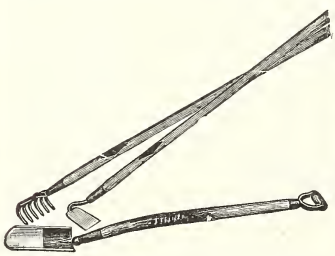


Grass Shears. For trimming edges on walks or borders. The best made.
Each.....**$1.00**



Pruning Saw

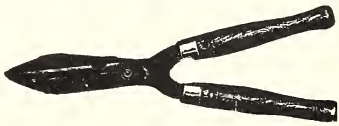
Pruning Saw. Highest grade crucible steel, polished and etched blade with adjustable cherry-wood handle. 14-inch blade. **Each**.....**$1.25**



Garden Set. Three Pieces; Shovel, 6x 4⅝-inch blade, 42 inch handle; Hoe, 4x3½-inch blade, 48 inch handle; Rake, 5¾-inch head with six 2¼-inch bent teeth.
Per Set.....**$1.50**

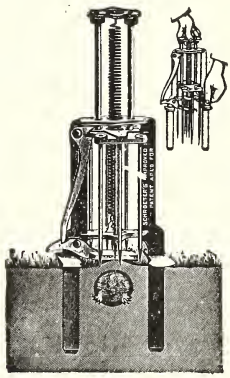
Hand Spading Fork

Hand Spading Fork. These forks are well made. The tines are polished about half-way and adjoining part enameled blue. **11-inch**. **$0.40**



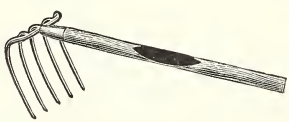
Hedge Shears

Hedge Shears. 8-inch, with notch. The "notch" is at the heel of the blades, for cutting small branches.....**$2.50**
6-inch.....**$1.75**

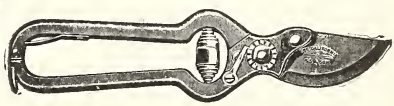


Mole Trap

Mole Trap. Is designed particularly for trapping Ground Moles. This trap is a type in which a spring actuated member provided with sharp-pointed prongs is reciprocatingly mounted on a stationary frame or supporting structure and is held in an elevated position by a latch or trigger mechanism that is adapted to be tripped by a mole traveling through a furrow in the ground where the trap is located. **Each**.....**$2.00**



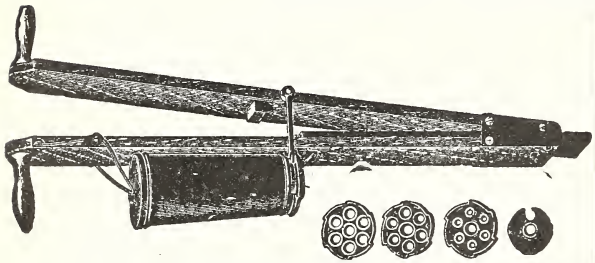
Potato Hook. Highest grade crucible forged steel tumbled finished prongs, oil tempered and carefully tested; bent head. **Each**.....**$1.25**



Pruning Shears

Pruning Shears. Very strong steel blades and good spring.
Each, No. 30, $1.25; No. 130, $2.00

GARDEN IMPLEMENTS—Continued



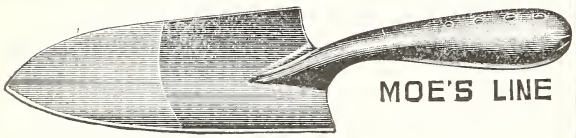
Corn Planter. The Eclipse Rotary has positive feed. Four changes of disc (one disc for seed or broom corn). No planter is complete without wheel to drop one grain to replant drilled corn. **Each**.....**$2.50**

Edger Planet Jr. To keep ground looking neat and attractive, the grass bordering all walks must be frequently edged and this will do the work quickly and with little effort, no matter if the walks are straight or curved. **Each** **$2.00**

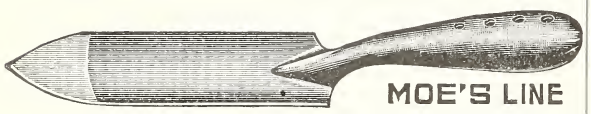
Tree Pruners, Water's. The best pruner on the market. 8 ft., **$1.85; 10 ft., $2.10; 12 ft., $2.25. Extra blades, Each, 50c.**

Spade. Is made from best tempered steel, fitted with select ash handles. **Price: Each, $1.75.**

ALL-STEEL GARDEN TOOLS

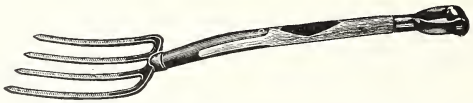


No. 80. Garden Trowel. One-piece pressed steel. Handsomely finished in black baked enamel. Length of blade, 6 inches. Ground and polished points. Shipping weight, 1 lb.
Each.....**$0.20**

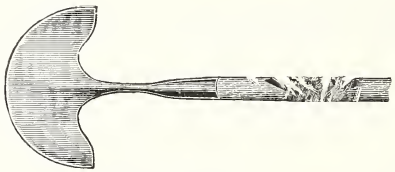


No. 81. Transplanting Trowel. One-piece pressed steel. Handsomely finished in black and baked enamel. Length of blade 6 inches. Width, 1¾ inches.
Each.....**$0.20**

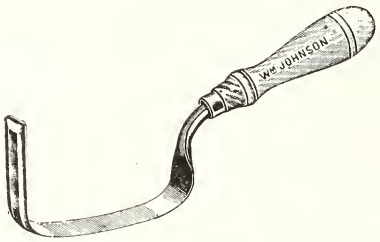
No. 82. Garden Weeder. One-piece pressed steel. Handsomely finished in black baked enamel. Has five steel fingers, and is one of the most useful and handiest garden tools made. Ground and polished points. **Each**.....**$0.20**



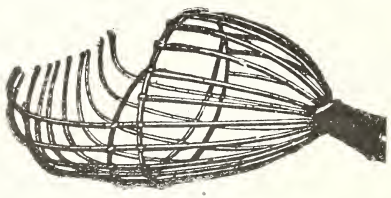
Fork. Digging or spading, 4 tines. Strap Ferrule. Gardeners everywhere are adopting spading forks in place of solid blade spades; the forks not only turn up the soil, but at the same time break it up so that cultivation is much easier. **Each, $1.50.**



Turf Edger. 9-inch crucible steel polished blade, tempered and sharpened; gold bronzed solid steel socket; blade and socket in one piece; 4-foot, selected ash handle.
Each.....**$1.25**



Lang's Hand Weeder. In our opinion this is the best of all weeders. **Price: Each, 40c.**



Fruit Picker

Fruit Pickers. Attach to pole of any desired length. Saves all climbing, especially on young trees. **Price, 75c.**

Shovel. A handy tool for the garden.....**$1.75**

SNAP TOOTH RAKES

Cuts Lawn and Garden Labor in half.

Oil tempered spring teeth. Galvanized iron channels with slots into which each tooth snaps to place. Each tooth is firmly set independent of every other tooth. No units or bolts, you merely change teeth to conform to work to be done. Light weight. Best of material.

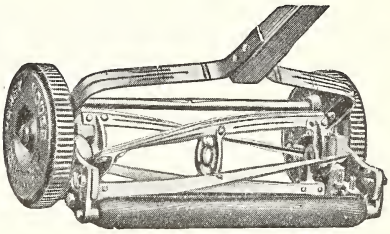
No. 1. The spring teeth follow natural contour of the lawn. Cleans self easily by reversing and wiping tines on ground. Fine for cultivating, clearing off flower beds in spring and wherever a rake is used. Due to the flexible teeth the Snap Tooth will not injure the most delicate plant. **Price: No. 1, $1.00.**

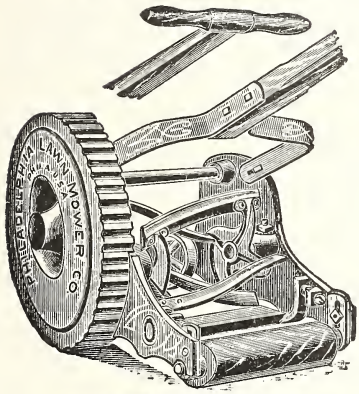
No. 2. A narrower tool than the No. 1, but the same principle. Especially adapted for working over tulip beds, as it will not cut off the top of the tulip bulb. Excellent for cultivating around shrubbery and flowers. **Price: No. 2, $0.75.**

CYCLONE SEED SOWERS

The material used in the construction of the Cyclone is of the best throughout. The machine is practically and mechanically built. The hopper or sack has a capacity of ½ bushel. It sows, with ease to the operator, all varieties of grain and grass seed, perfectly even.

Each, $2.00; Postpaid, $2.15.





LIGHTNING TIN HORN SEED SOWER

Has long tin sectional tube, having sack attached; also has adjustable feed for different grains and quantities. Suitable for small seeds only. Will spread seed evenly from 30 to 40 feet. Method of sowing is by swinging tube in horizontal position from right to left, which closely resembles the old method by hand.

Each, $1.00; Postpaid, $1.10

CAHOON'S BROADCAST SOWER

The breadth of the cast will be according to the weight of the seed. Wheat and Rye, 30 to 36 feet. Oats, 21 to 25 feet. Barley, 27 to 33, Clover, Millet, Hungarian Seed, 20 to 24 feet. Hemp, 27 to 30 feet. Timothy, 15 to 18 feet. **Each, $4.00; Postpaid, $4.25.**

"PHILADELPHIA" LAWN MOWER

Style "A" All Steel—Philadelphia Lawn Mower is practically indestructible. It is made by the best mechanics in the oldest lawn mower factory in the world. Every part is mechanically perfect. Style "A" is a light-running mower with all unnecessary weight eliminated. Roller bearings assure you of even wear all around. Cylinder with 4 blades; driving wheel, 10 inches; diameter of cylinder, 6½ inches; train of 3 gears on one side. Double ratchet.

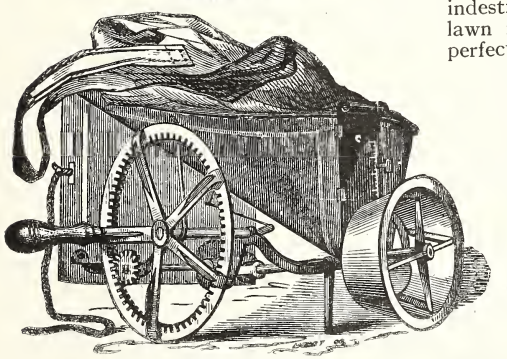
Each, 17-inch, $27.50; 19-inch, $28.75; 21-inch, $30.00.

Dewey—The Dewey is made in the same factory by the same experts that make the Philadelphia Style "A" Mower. The Dewey will give excellent service and is a good value at the price offered. Cylinder with 4 blades; driving wheel, 8 inches; diameter of cylinder, 5¼ inches single pinion; geared both sides.

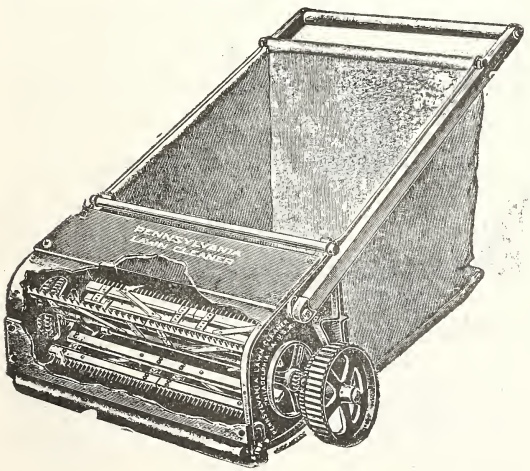
Each, 12-inch, $11.50; 14-inch, $12.00; 16-inch, $12.50.

Grass Catcher—Heavy Gauge galvanized wire frame, covered with extra quality 8-oz. green and white striped canvas sides and back.

Each, 14 to 16-inch, $1.50; 18 to 20-inch, $2.00.



Cahoon Seeder



"PHILADELPHIA" LAWN TRIMMER

Lawn Trimmer—Will cut smoothly to ¼ inch of wall, making use of shears unnecessary. Built for durability and service. Cylinder with 4 blades. Driving wheel, 8 inches. Diameter of Cylinder, 5¼ inches.

Each, 6-inch, $9.50.

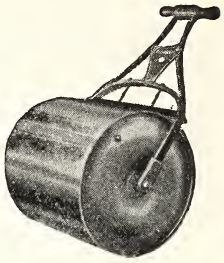
PENNSYLVANIA ROTARY LAWN RAKE

This is virtually a revolving lawn comb, having flexible steel wire teeth which go between the blades of grass, and comb out all dead grass, crab grass, leaves, sticks and other rubbish. It leaves the grass standing upright. It has a dumpable collecting box. One man can do more work than four with rakes.

(Weight, packed for shipment, 90 lbs.)

Each, 24-inch, machine, $35.00.

DUNHAM LAWN ROLLERS



Every lawn needs a lawn roller. Lawns should be rolled frequently, especially in the spring of the year, at which time the grass is often raised out of the soil due to alternate thawing and freezing. This leaves the roots exposed and by rolling frequently the soil will be packed firm. Rolling the lawn helps the ground retain moisture, preventing the roots from growing upward and being killed by the hot rays of the summer sun.

No.	Diam inches	Length inches	Sections	Aprox. Wt. Empty	Filled with Water	Each
5	18	24	1	85 lbs.	265 lbs.	**$20.00**
7	24	24	1	110 lbs.	420 lbs.	**23.00**
9	24	32	1	130 lbs.	565 lbs.	**26.00**

Cedar-Tree Tubs

CEDAR TREE TUBS

Made of the very choicest seasoned cedar, highly finished with black hoops; will last as long as cypress tubs.

No.	Diam. In.	Height. In.	
1	12	10½	**$2.50**
2	13	13	**3.35**
3	14½	15	**4.00**
3½	16½	15¾	**4.90**
4	19½	17	**5.50**

RICHMOND STYLE TREE TUBS

These Tree Tubs are made of the same selected Virginia White Cedar, bound with flat steel hoops.

No.	Top Diam.	Depth	
4B	9 inch	9 inch	**$1.00**
5B	10 inch	9 inch	**1.10**
6B	11 inch	10 inch	**1.50**
7B	12 inch	11 inch	**1.75**
8B	14 inch	12 inch	**2.25**

PLANT STAKES

Natural Cane Stakes

6 ft., doz. **$0.20** 100 **$1.50**

Dahlia Poles, Painted

5 ft., doz. **$1.50** 100 **11.00**

6 ft., doz. **1.80** 100 **$14.00**

Plant Stakes—Ramboo (Painted Green)

1 ft., doz.	**$0.10**	100	**$0.75**
1½ ft., doz.	**.10**	100	**.85**
2 ft., doz.	**.15**	100	**1.00**
3 ft., doz.	**.18**	100	**1.25**
4 ft., doz.	**.20**	100	**1.50**
5 ft., doz.	**.25**	100	**2.00**

GARDEN HOSE

Garden Hose. We make a specialty of the very best lawn and garden hose. We do not handle a wrapped hose; only the best moulded hose is worth buying. The moulded hose will last for years after cheap wrapped hose is worn out.

½-inch, 13c; ¾-inch, 16c foot.

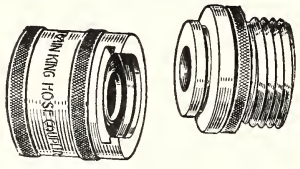
HOSE MENDERS

Hose Mender "Perfect Clinching". The best mender on the market. Easy to put on and no danger of leaking.

½-inch, ¾-inch and ⅝-inch, 10c; $1.00 per dozen.

Hose Coupling "Perfect Clinching". A self-fastening coupling that does not require extra bands, bolts or wires.

½-inch, ¾-inch and ⅝-inch, 25c each.



Hose Washers—Rubber. ¾-inch, dozen 5c; 1-inch, dozen, 10c.

Quick Hose Connection. The female end is attached to the hose and the male end to the faucet. The hose is attached by sliding the female end into the male end. Price, male end **35c;** female end **35c.**

Hose Nozzles Boston Spray. Brass; for ¾-inch hose; useful for watering lawn and garden. **Each, 90c; by mail, $1.00.**

POT LABELS

	Per 100	Per 1000		Per 100	Per 1000
4 inch	**$0.40**	**$2.50**	8 inch	**$0.75**	**$5.50**
5 inch	**.50**	**2.75**	10 inch	**1.00**	**8.00**
6 inch	**.60**	**3.50**	12 inch	**2.00**	

Wired Tree Labels

3½x⅝-in., per 1000 **$3.25**

5x1⅛-in., pkg. of 200 **1.50**

RAFFIA AND REED

Raffia. We will furnish you the finest quality Raffia on the market in different colors. The natural Raffia is also used for tying up plants in field or greenhouse.

Natural, lb., 30c; skein, 10c; colored, ¼ lb., skein, 35c; 1 lb. pkg. $1.25. Postage extra.

Reed. Used for basket making, lattice work, etc. We carry all sizes adapted for schools, homes, etc.

	1 roll	1 lb.		1 roll	1 lb.
No. 1	**$0.15**	**$1.15**	No. 4	**$0.15**	**$1.00**
No. 2	**.15**	**1.10**	No. 5	**.15**	**.95**
No. 3	**.15**	**1.05**	No. 6	**.15**	**.90**

By mail, add Postage, 10c per lb.

BASKET BOTTOMS

Veneered Basket Bottoms for reed weaving. Well made of several ply panels. Well sanded and holes properly bored to fit uprights.

3-inch Round	**$0.10**	**3x 6-inch Oval**	**$0.15**
4-inch Round	**.13**	**4x 8-inch Oval**	**.25**
5-inch Round	**.15**	**6x10-inch Oval**	**.35**
6-inch Round	**.18**	**8x14-inch Oval**	**.45**
8-inch Round	**.25**	**10x16-inch Oval**	**.55**
10-inch Round	**.40**	**12x20-inch Oval**	**.80**
12-inch Round	**.45**		

LAWN SPRINKLERS

Rubber Plant Sprinklers "Scollays". Made of the best rubber. Used for spraying house plants, sprinkling clothes, etc. **$1.50.**

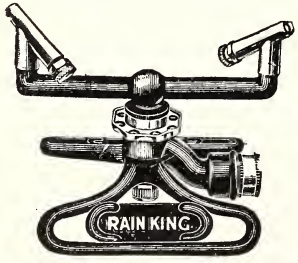
Elgin Lawn Sprinklers. Each year meets with a greater sale of these. Has iron stand which will slide over the grass. Nothing to get out of order. **Each, $1.25.**

"Spray Maker". Abundant water is the secret of beautiful lawns and gardens. The SPRAY MAKER duplicates the action of a gentle rain. Covers a large area evenly, uniformly and economically. It is automatic and inexpensive. Strongly constructed of solid brass. **Each, 50c.**

Lawn Sprinkler "Universal". Has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. **Each, 50c.**

Lawn Sprinkler. Three-Arm which can be operated with a moderate pressure, covers a wide area and distributes the water evenly. The revolving arms throw the water in a fine spray into the air and the motion produces a fine mist. Height, about 1 foot **Each, $2.25.**

STANDARD RAIN KING SPRINKLER



Combines all the best features of both stationary and revolving sprinklers. Waters the largest lawns or the smallest corners, strips and odd-shaped places. Sprinkles in two directions at once or concentrates wherever water is wanted. Gives a gentle mist, a soaking downpour or light shower—all at instant command.

Each nozzle a complete sprinkler with full range of direction, distance and volume. Instantly set for either stationary or whirling spray.

Weight, 3 lbs. Packed one to a carton. **Price, each $3.50**

PROTECT PLANTS FOR PROFIT

Last year thousands of growers added to the value of their vine crops by using Germaco HOTKAPS—shown above. This remarkable invention consists of a scientifically constructed wax paper cone that you place over each plant. Thus they are miniature hot houses that protect plants from **frost,** wind rain, insects and ground crusting.

HOTKAPS not only protect plants, but make them grow **hardier** and **faster.** Thus you get a greater crop production to **market earlier** for **higher prices.**

Germaco
Hotkaps
New Method of Plant Protection

Higher Prices for Your Crop - - -

This Amazing New Method of Plant Protection gets you Higher prices for Larger and Quicker Croops.

100 lots for.....$2.25
250 lots for..... 4.00
1,000 lots.....$11.50 per M.
5,000 lots..... 11.00 per M.
10,000 lots..... 10.75 per M.

"Germaco Hotcap Setters, a labor saving device for setting Hotcaps accurately and quickly into the ground. **Postage or express extra.**

Germaco Garden Setter.....$0.50
Germaco Steel Setter..... 2.50

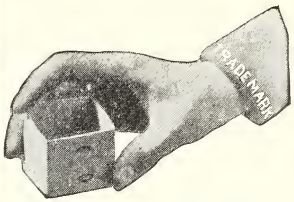
Write for interesting pamphlet or order today!

NEPONSET PAPER FLOWER POTS

These are made of heavy Neponset Paper and are nearly equal to the stoneware pots.

These pots are nested and packed in cases of 1000 each, except 4, 5 and 6 inch sizes, which are put up in cases of 500 each.

Ins. Diam.	Weight per 100	Doz.	100	1000
2½	2 lbs.	$0.60	$0.60	$5.15
3	2 lbs.	.18	.80	7.05
3½	3 lbs.	.20	1.00	9.15
4	4 lbs.	.25	1.30	11.00
5	7 lbs.	.30	2.00	16.75



POT PLANT BANDS

Ready to Use

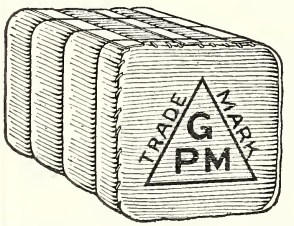
Bands with folding bottoms or pots can be used as an extra deep band by leaving bottom unfolded. By pushing the flaps in you have a square pot with bottom.

All bands packed 250 to a carton, in cases weighing about 47 pounds.

Remember! Square bands and pots have nearly twice the cubic capacity of round pots of same diameter. Order next size smaller band than the round pot you generally use.

No.	Size	High	250	1000	4000
2P	2x2	2½	$1.00	$3.50	13.50
3P	3x3	3	1.50	5.25	$20.00

IMPORTED GRANULATED
PEAT MOSS
TORF MULL



Granulated peat moss is a light brown colored virgin soil formed years ago by the growth and decay of mosses (mostly Sphagunm and various aquatic plants, in and along the shores of fresh water lakes. It is a soil medium that is free from fungus and free from weed seeds, highly absorbent and retentive of mositure, rich in carbonaceous matter, and has no detrimental mineral content.

FOR LAWN

Established lawns should be covered ½ inch deep with Granulated Peat Moss in the late Fall. It will almost disappear by Spring. If the Fall covering has been omitted cover lightly in the Spring and occasionally during the growing season. It soon works in about the grass roots.

Get Granulated Peat Moss to-day. Enjoy the pleasure of a bountiful garden and beautiful lawns.

Large Bale, about 190 lbs. (covers 260 square feet one inch deep), Price per bale, $4.50.

AMERICAN SOIL SPONGE

American Soil Sponge is a dark fluffy soil, taken from the drained lakes in the Michigan woods. It is treated and pulverized and is free from weeds. When making a new lawn, cover your ground with 2 inches of soil sponge. 100 lbs. will cover 300 square feet. If your soil is in poor condition, add fertilizer, then spade or plow over your ground about 10 inches deep, then mix well with mother earth, rake well, and you will have a very fine seed bed.

Put up in 100-lb. bags at $1.85; ton $32.00.

Wire Hanging Flower Basket

10 inch, each....$0.35 **parcel post**.....$0.45
12 inch, each.... .45 **parcel post**..... .60
14 inch, each..... .60 **parcel post**..... .75

Spagnum Moss. Extensively used for filling Fern and Orchid baskets, mixing with potting soil, covering tops of pots to preserve moisture, etc. **Lb., 15c; bale, about 20 lbs., $2.00.**

Fertilizers for Lawn, Garden and Field

A Necessity to All Growing Plants

WIZARD SHEEP MANURE

The real secret in making plants grow to perfection lies in having a rich fertile soil. All plants require a generous supply of food and a loose mellow soil well supplied with organic matter. So if you wish to grow a profitable crop or have your plants develop their real beauty, let your first thought be the preparation of a rich fertile soil.

Wizard Sheep Manure is a natural concentrated manure that makes all plants grow to perfection. It supplies the humus to make soils mellow and friable, insuring strong vigorous root growth. Wizard Sheep Manure is convenient and absolutely weedless. Its concentrated strength goes a long way. **One Bag Equals a Whole Wagon Load of Stable Manure.** It is not a chemical stimulant but is a real plant food that has a lasting beneficial effect on your soil. There is nothing better than this weedless manure for lawns, garden, fruit and field crops.

Lawns. Wizard produces a thick velvety green turf of lasting beauty. Give your lawn an application early in spring and you will be surprised at the new beauty it will develop. In making new lawns scatter broadcast 10 lbs. to every 100 sq. ft. and rake into the surface soil. On old lawns use 6 to 10 lbs., per 100 sq. ft.

Flower Gardens. Luxuriant green foliage and a wealth of vivid colored flowers are the result of feeding your plants Wizard. It is just what nature needs to make strong healthy plants. Dig it into the garden soil and mix a small handful with the soil under each plant or bulb and more for vines, shrubs, and trees depending on size. Light applications during the growing season will put new life into your plants and prolong the blooming season.

Vegetables and Fruits. If you want a big crop of crisp tender vegetables be sure to use Sheep Manure. Every successful gardener knows that there is nothing better than manure for vegetables. Wizard improves the yield, color and flavor of fruit crops. A very profitable fertilizer for practical growers.

Field Crops. Wizard Sheep Manure builds up the soil and produces big crops at the same time. Flows freely through a drill. Puts new life into the soil. Use 300 to 1,000 pounds per acre.

Florists. Wizard is unexcelled for feeding plants grown under glass. Safe, pure and weedless. Fine for mixing with bench and potting soil and liquid manuring. You need manure to grow profitable high quality crops and it pays to use Wizard.

AKS FOR FREE BOOKLET

	Postpaid			
5 lbs.	$0.30	$0.40	50 lbs.	$1.65
10 lbs.	.50	.65	100 lbs.	2.90
25 lbs.	1.00	1.25	500 lbs.	13.50

Prices in Ton lots quoted on request.

VIGORO Odorless PLANT FOOD

VIGORO *Specially prepared plant food*

Vigoro is specially prepared to supply growing things with all of the plant food elements needed for rapid, growth. Vigoro is odorless, clean, and easy to apply. It can be sown by hand like grass seed.

A BETTER LAWN

Good seed and the right kind of plant food are essential. To have a thick, dark green lawn use VIGORO, the plant food specially prepared to supply grass and other plants with all of the plant food elements needed for beautiful growth.

BETTER VEGETABLES

To have early, succulent vegetables use disease-free seed. Seed with a high germinating power—and VIGORO.

Vegetables are heavy feeders and must be fed the right kind and amount of plant food. Vigoro will help you to have early, succulent vegetables and more of them.

BETTER FLOWERS

Don't wish for beautiful flowers—have them by using hardy disease free seeds, plants and bulbs, and VIGORO. Prices are being won all over the country with flowers grown with VIGORO.

LUXURIANT SHRUBBERY--STATELY TREES

Trees and shrubbery must be fed the right nourishment the same as human beings or they become "stunted" and lose the beauty that we so admire. Then too, under-nourished trees and shrubbery are more susceptible to disease and insect pests. VIGORO supplies the nourishment needed for maximum beauty and production.

Dimensions of Ground	Rate of Application per 100 square feet	Amount necessary for one Application
25 x 50 ft.	2 lbs. (about 1 qt.)	25 lbs.
50 x 100 ft.	2 lbs. (about 1 qt.)	100 lbs.

For.....
Lawns.....
Gardens.....
Flowers.....
Shrubbery.....
Trees.....

VIGORO *Specially prepared plant food*

100 lb. bag	$5.00
50 lb. bag	3.00
25 lb. bag	1.75
5 lb. pkg.	.50

Arcadian Sulphate of Ammonia

A wonderful fertilizer for lawn, garden or orchard. Guaranteed 25¼ per cent ammonia, highly concentrated, quick acting. Ammonia supplies nitrogen, the most essential plant food. One 2-lb. package of Arcadian contains as much nitrogen as 100 lbs. of stable manure. No weed seeds, no odor, no lumps, all soluble. Does not gather moisture. Always fine and dry. Full directions on package. Write for free pamphlets. **Price, 2-lb. package, 40c; 5 lb., 90c; 10 lb., $1.60; 25 lb., $2.90.**

Ammonia For the Lawn

Scatter evenly any time during the growing season, when the grass is dry, then sprinkle the lawn thoroughly with water. For best results apply in the Spring when growth starts. Repeat in one month and again in early Fall.

Do not exceed the quantities given below:

10 lbs. covers 2500 sq. ft. or 50 ft. x 50 ft.
5 lbs. covers 1250 sq. ft. or 25 ft. x 50 ft.
2 lbs. covers 500 sq. ft. or 10 ft. x 50 ft.
1 lbs. covers 250 sq. ft. or 10 ft. x 25 ft.

FERTILIZERS

For Lawn, Garden, Field—A Necessity to All Growing Plants

Armour's Lawn and Garden Grower. A properly balanced concentrated plant food mixture blended from those chemical fertilizer ingredients best suited for the growing of grass and gardens. It contains 6 per cent Ammonia, 8 per cent availabe Pholphoric Acid and 6 per cent Potash. **50 lbs., $3.00; 100 lbs., $5.00.**

Bone Meal. For top dressing for lawns, pastures and meadows; also for use in the vineyard and about fruit trees and bushes. It carries ammonia and phosphoric acid. Use 400 to 600 lbs. per acre. **10 lbs., 65c; 25 lbs., $1.50; 50 lbs., $2.50; 125 lbs., $5.00.**

Floyd's Odorless. After the soil has been thoroughly worked, broadcast one to one and one-half pounds Plant Food to the square yard and rake into soil. **25 lb. bags, $1.00; 50 lb. bags, $1.75; 100 lb. bags, $3.00.**

Grasselli Odorless Plant Food. Made from a special formula. It is quick acting and permanent general fertilizer for all growing crops, either for digging in or top dressing. **1 lb., 25c; 25 lb., $1.75; 50 lbs., $3.00; 100 lbs., $5.00.**

Hydrated Lime. Hydrated lime used for top dressing on lawns and mixing soil for potting plants. 50 lbs .to cover 1,000 square feet. **10 lbs., 45c; 50 lb. bags, $1.00.**

Nitrate of Soda. Carries nothing but nitrogen (ammonia)—no phosphoric acid or potash. It is highly stimulating. On grass or other vegetation it is visible in a few days after application. **Lb., 15c; 10 lbs., $1.00. 50 lbs., $3.00.**

Pulverized Limestone. As a crop-producer, we hardly believe it has an equal. It is made from the purest crystaline whte limestone obtainable. **Bags of 100 lbs., $1.50.**

Pulverized Sheep Manure. As a top dressing for lawns there is nothing better. Promotes a steady and rapid growth in the vegetable garden. For garden and field crops, 1 to 2 tons per acre—Fall or early-Spring. For Lawns use 100 lbs. to 1,500 sq. ft. For Mixing Potting Soil, use 1 qt. to 20 qts. of earth. **5 lbs., 30c; 10 lbs., 50c; 25 lbs., $1.00; 50 lbs., $1.65; 100 lbs., $2.90.**

Sacco. The perfect plant food. Growing plants are continually draining the supply of food elements from the soil. Unless replenished, growth slows up. **25 lbs., $1.75; 50 lbs., $3.00; 100 lbs., $5.00.**

ADCO FOR ARTIFICIAL MANURE

What is required in the garden to make artificial manure: Three things only. First, vegetable wastes; second, water and a garden hose; third, the bacterial food known as ADCO.

ADCO is a powder which, mixed with almost any non-woody vegetable waste, and kept wet, gradually converts it into manure.

ADCO, **in 25 lb. bags, each**.....**$2.00**
(Enough for 12 wheelborraw loads of garden waste, making one-half ton of manure).

INSECTICIDES AND FUNGICIDES

Goods Marked (*) can be mailed at buyer's expense. Goods not marked cannot be mailed.

Acme All Around Spray. Combination spray for combating chewing insects, sucking insects, and blight and fungus diseases. Complete spray guide enclosed in each package showing use on flowers, plants. Contains, Arsenate of Led, Bordeaux Mixture and Nicotine Sulphate. **¼ lb., carton, 35c; 1 lb. carton, 85c.**

***Aphis Punk (40 Per Cent Strength, for Fumigating.)** Specially prepared for Greenhouses and Conservatories. It vaporizes the nicotine economically and evenly. **Box of 12 rolls, 90c; 1 case, 12 boxes, $8.50.**

Arsenate of Lead Powder. The best known and most extensively used stomack poison for insects. It is safe to use on most plants. For general use, 1 pound to 50 gallons of water, or 3 teaspoonfuls to 1 gallon of water. **½ lb., 30c; 1 lb., 50c; 4 lbs., $1.60 12 lbs., $4.50; 24 lbs., $8.40.**

Bordeaux Mixture Powder (Fungi-Bordo). For blight, mildew, rust and fungus diseases. For ordinary use it takes 6 pounds to 50 gallons of water. **1 lb., 35c; 4 lbs., $1.25; 25 lbs., $7.00.**

M·G·K
EVER GREEN
NON-POISONOUS INSECTICIDE

Effective against Cucumber and Melon Beetles, Cabbage Worms, Rose Slugs, Aphis, Leaf Hoppers, and most other plant insects including cutworms.

1½ oz. bottles.....**$0.35**
6 oz. bottles..... **1.00**
16 oz. bottles..... **2.00**
32 oz. bottles..... **3.85**
1 gal. bottles.....**13.00**

***Fish Oil Soap.** Used as a wash during the summer to prevent spread of scale. Destroys sucking insects and plant lice.
1 lb., 45c.

***Flowers of Sulphur.** Used to check mildew and fungus diseases.
1 lb., 15c; 10 lbs., $1.25; 25 lbs., $2.50.

***Gardite.** A powder that is applied when dew is on the leaves Used for cabbage worms, cucumbers, and all garden truck.
1 lb., 15c; 5 lbs., 60c.

***Grape Dust (Hammond's).** Used as a dust to check mildew, dry rot and other fungi. **5 lbs., 75c.**

***Grafting Wax.** Used for grafting. Also good to rub over any wounds that are made on the bark or in pruning. **¼ lb., 20c; ½ lb., 30c; 1 lb., 50c.**

***Hellebore.** Used for worms on currants and gooseberries, Use 1 ounce to 1 gallon of water. **¼ lb., 25c; ½ lb., 40c; 1 lb., 75c.**

***Lime Sulphur Powder.** Used as a dormant spray against scale insects. Use 10 to 12 pounds to 50 gallons of water.
1 lb., 35c; 5 lbs., $1.50; 10 lbs., $2.75.

Lime Sulphur (Liquid). Has same effect as the powder. Dilute with 10 parts of water. For summer spray dilute with 40 parts of water. **Qt., 50c; ½ gal., 75c; 1 gal., $1.00; 5 gals., $4.00.**

Nikoteen (30 Per Cent). An economical and powerful nicotine extract. Death to Aphis or Green Fly, Spider, Mealy Bug, Thrip and many other forms of flower, fruit and vegetable lice.
Small bottles 30c; and 50c; ½ lb. $1.25; 1 lb., $2.25;
(40 Per Cent strength) 4 lbs., $7.00; 8 lbs., $13.00.

Paris Green. Paris Green is a strong and best known poison for potato bugs. **¼ lb., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., $2.00.**

Scalecide. A dormant spray for scale. **1 qt., 75c; 1 gal., $1.75; 5 gals., $6.25; 10 gals., $10.60; 30 gals., $26.00; 50 gals., $38.00**

***Slugshot.** Thoroughly reliable in killing currant worms, potato bugs, cabbage worms, chicken lice, slugs, sow bugs, etc.
Cartons, 20c; 5 lbs., 75c.

Sulfocide. A summer spray for scale. **1 pt., 70c; 1 qt., $1.00; 1 gal., $2.75; 5 gals., $8.75.**

Tobacco Dust. For aphis. **100 lbs., $5.50.**

***Tree Tanglefoot (Caterpillar Paste).** A sticky substance spread around the bark of trees to prevent creeping insects from climbing up the tree. **1 lb., can 50c; 5 lbs., can $2.35; 10 lbs., $4.50; 20 lbs., $8.75.**

***Volck.** The Scientific Insecticide for nursery, green house and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphis and trips. **½ pt., 50c; 1 pt., 75c; qt., $1.00; gal., $3.00.**

***Tree Paint (Pine Tar).** For painting on wounds after pruning.
1 pt., 30c; 1 qt., 50c; 1 gal., $1.75.

WEED KILLERS

Weed Killer (Hammond's). Kills weeds in gutters, roads, paths, tennis courts, etc. Will not discolor cement. Easier and less expensive than hoeing and digging. Use 1 part Weed Killer to 50 parts of water. **1 qt., 70c; 1 gal., $1.75; 5 gals., $7.00; 10 gals., $13.00; 30 gals., $33.00.**

The Atlas Non-Poisonous Killer Duster. Permits the chemical to be applied in the powder form by merely shaking it out of the can on the weeds. This eliminates the time and trouble formerly required for diluting with water and using spraying equipment. Net contents 3¼ lbs. **Price, $1.50.**

Atlas Non-Poisonous Weed Killer. In dry concentrated form in bulk for making up weed killer solutions where large areas of weeds and grass are to be killed.
(For making weed killer solution) **Can, 5 lbs. Each**....**$ 2.00**
(Kills 500 sq. ft. weeds)
50 lb. Drum..... 12.50
(Kills 5,000 sq. ft. weeds)
200 lb. Drum..... 40.00
(Kills 20,000 sq. ft. weeds)

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ORDER SHEET

ST. LOUIS SEED CO.

THE HOME OF PURE AND SURE SEEDS
411-413 WASHINGTON AVE., ST. LOUIS, MO.
PHONE: CENTRAL 4100

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Date	
Ent.	
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Name_____

Express or Freight Office_____

Street Address_____ Post Office Money Order $_____

Post Office_____ Draft or Check $_____

County_____ State_____ Cash — — $_____

Rural Route No._____ Box_____ O.K._____ Stamps — $_____

	QUANTITY	ITEMS	DOLLARS	CENTS
		(PLEASE DO NOT WRITE IN THIS SPACE) TOTAL		

*Route Shipped by*_____ *Date Shipped*_____ *Pkgs.*_____

*Laid out by:*_____ *Checked by*_____

	QUANTITY	ITEMS	DOLLARS	CENTS
		(PLEASE DO NOT WRITE IN THIS SPACE) TOTAL		

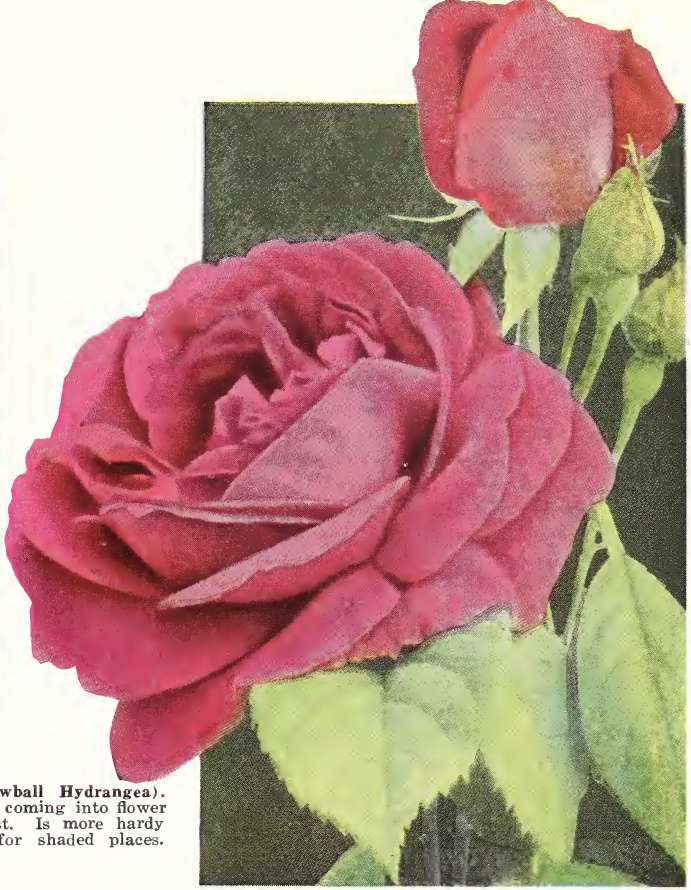
Hydrangea

ARBORESCENS GRANDIFLORA ALBA (Snowball Hydrangea). The snow-white blooms are of the largest size, coming into flower early in June and lasting until late in August. Is more hardy than any other sort and especially suited for shaded places. **Each, 60c.**

Spirea

VAN HOUTTE. The grandest of all the Spiraeas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. **Each, 40c.**

Spiraea Van Houtte.



Red Radiance Rose (H. T.)

All who know that grand Rose Radiance will welcome this red form of that great favorite. Radiance is a Rose that does well everywhere. **Each, 60c.**

Berberis

THUNBERGI. Perfectly hardy. Will make a dense hedge from 3 to 4 feet high, which will always remain symmetrical without any pruning. Bears large, nearly round, crimson berries. **Each, 25c; 10 for $2.25.**

Berberis Thunbergi (Japanese Barberry).

St. Louis Giant Zinnias

Double Dahlia-Flowered

This new giant flowered type has petals which overlap in such a manner as to give the flowers the appearance of a decorative dahlia. The plants attain the height of 3 feet, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth.

BUTTERCUP. Deep creamy yellow.
CRIMSON MONARCH. Flaming crimson.
DREAM. Deep lavender-blue.
EXQUISITE. Light rose.
ORIOLE. Orange and gold.
GOLDEN STATE. Rich orange-yellow.
POLAR BEAR. Large pure white.
SCARLET FLAME. Beautiful, bright scarlet.

Special Offer to Flower Lovers

One packet each of above 8 colors $1